REPEATER JOURNAL

CVRA - SouthEastern Repeater Association, Inc.

November, 1985

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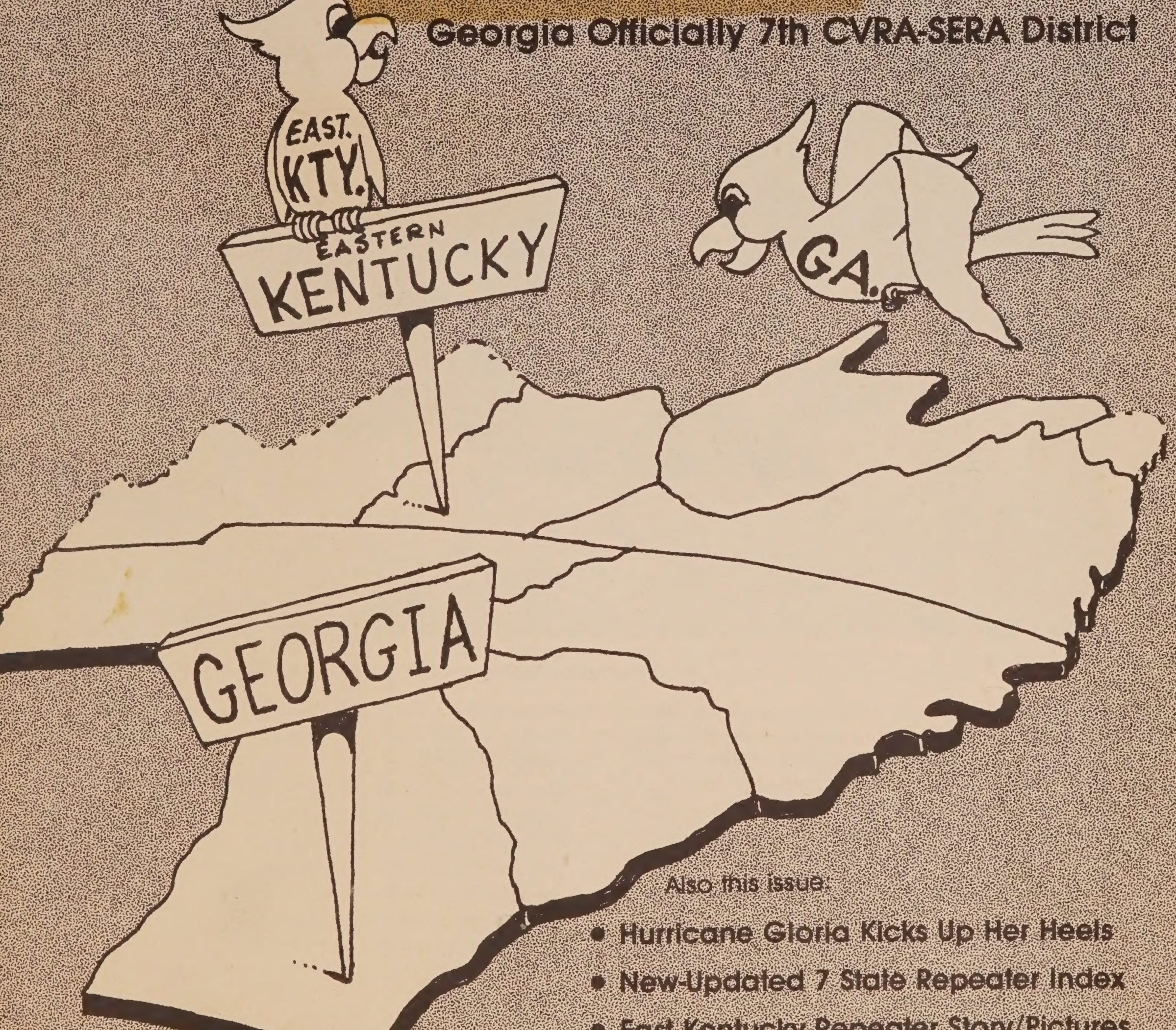
Georgia Officially 7th CVRA-SERA District



Also this issue:

- **Hurricane Gloria Kicks Up Her Heels**
- **New-Updated 7 State Repeater Index**
- **East Kentucky Repeater Story/Pictures**
- **Officer Nominations/Full Membership**

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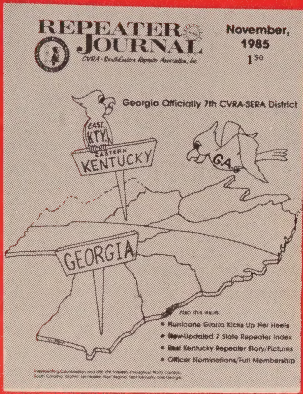
REPEATER JOURNAL
CVRA - SouthEastern Repeater Association, Inc.

Editorial Comment

NOV., DEC., JAN.
VOLUME 14, NO. 4
ORGANIZED IN 1971
"IN OUR 14th YEAR"


REPEATER JOURNAL
CVRA-SouthEastern Repeater Association, Inc.
November, 1985
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Georgia Officially 7th CVRA-SERA District
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EASTERN KENTUCKY
GA.
GEORGIA
Also this issue:
• Hurricane Gloria Kicks Up Her Heels
• New Updated 7 State Repeater Index
• East Kentucky Repeater Story/Pictures
• Officer Nominations/Full Membership

ON THE COVER

The Georgia Parrot of CVRA-SERA does his final circle before landing at his post as Sentry for his new District. Georgia becomes the 7th State to belong to the organization. Our new territory now covers over 915 repeaters over the seven State area in which we serve. Also this issue, the new complete Georgia Repeater index joins the Repeater Journal and our other 6 states of repeater listings.

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Just Rambling Around with the Editor. . .

I don't really have anything to complain about, so I thought I would just ramble around and see what comes out on the typewriter.

It's very encouraging to see three repeaters in Tennessee voluntarily invert their machines frequencies to a standard CVRA-SERA bandplan. Hopefully, their actions will encourage others who are not complying to follow suite.

We have quite a few Georgia repeaters who are inverted (which was their old bandplan before joining CVRA-SERA). I wonder who will be the first down there to voluntarily invert?

• • • •

There's been quite a letter writing campaign going on over in West Virginia. According to Director Ted Wolfe, he coordinated a new repeater on a frequency 165 miles away from the complainants, and he said that he didn't foresee any problems, but if any do occur, he will again look at the situation. I was recipient of copies of most of the letters. I felt it strange that they sent copies to ARRL officials. ARRL has nothing to do with a situation of this kind. I also noticed that most of the letters said essentially the same thing, actually some were exactly the same. Come on, fellas! Your Director knows what he's doing, let's keep politics out of this. Interference from 165 miles away over mountainous terrain?????

• • • •

Speaking of coordination, I had a long chat with Gary Hendricksen, Frequency coordinator, T-MARC (our neighboring repeater council to the North). He said their coordination was quite different from ours. They have successfully set up long range channels, and local coverage channels inbetween. He said coordination policies up there are much more strict than ours. He promised to send some information, and I'll pass it along.

• • • •

15 vs 20 khz channel spacing came up at the annual Directors meeting at Shelby. For the record, CVRA-SERA endorses the 15 khz split system, however, the Board intends to be aware of 20 khz and what is happening around the country. For now though, 15 khz. it is.

• • • •

Lindsay, W4IZI said they mailed out over 14,000 sheets of information to all Georgia repeater owners in the campaign to organize a council, then to pass information after the Atlanta meeting where they voted to join CVRA-SERA. I'm proud of our Board, who without hesitation told Lindsay and his Georgia helpers that CVRA-SERA would pay the $1,000 bill for the campaign. Now if Georgia can just pay us back with a quick 200 associate memberships, we can pay the bill. Hi! Seriously, Lindsay and his staff are to be commended for conducting one of the most orderly, informative and thorough campaigns in the history of CVRA-SERA. If any repeater owner down in Georgia doesn't know what's going on now, it's his own fault, because Lindsay and the boys sure covered ALL bases.

• • • •

I'm kinda proud of the way the SERA News Net is continuing to grow. It's really great how so many repeater owners unselfishly give of their time and repeaters to allow the net to be broadcast each Wednesday night. We're still trying to get a signal down into South Carolina, and on to Georgia, but key areas needed for relay to SC are not carrying the net. We've talked to a couple of groups recently, and I'm hoping they'll come through soon. Give a listen if you can.

• • • •

The hamfest season is almost over. I believe most shows had a slight increase in attendance this year. A couple were down, but most showed increases. Surprising

Continued on Page 46

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About CVRA-SERA . . .

CVRA-Southeastern Repeater Association, Inc. is one of the largest Repeater Organizations in the United States. In our 14th year of operation, the Association shows positive proof that coordination efforts have paid off in the Districts it serves. Two of our Districts are 11th and 13th in the Nation in numbers of Amateur repeaters. We shall strive to continue to keep our area interference free.

REPEATER JOURNAL
NOV., DEC., '85, JAN. '86

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About the Repeater Journal . . .

The CVRA-SERA REPEATER JOURNAL is published quarterly, during the months of February, May, August and November of each year and mailed free to members of CVRA-Southeastern Repeater Association, Inc., a non-profit coordinating organization made up of repeater owners and users. Permission is granted for use of material contained in the REPEATER JOURNAL, provided proper credit is given. The REPEATER JOURNAL Editor will swap newsletters with other Repeater Councils and News organizations on request. The REPEATER JOURNAL press run is 4,500 copies with circulation membership in excess of 3,900 and is entered as Third Class Mail at the Post Office in Greensboro, N.C. REPEATER JOURNAL copies may also be obtained at most area hamfests for $1.25 per copy. All news and Newsletter exchanges should be mailed to the Editor and Publisher, Wayne C. Williams, K4MOB, 600 Lakedale Road, Colfax, N.C. 27235.

About Associate Membership

Repeater users and Amateurs are invited to join CVRA-SERA as Associate Members. A membership fee of $5.00 per year will enable members to support the organization and receive the "Repeater Journal". Note: Associate Membership deadlines are on the 15th of the month preceding months of publication – Jan. 15, April 15, July 15 and October 15. Persons joining or renewing their membership must have their application into the Greensboro Post Office Box by these deadlines to receive the next upcoming Repeater Journal in February, May, August and November. Memberships received after any deadline will not receive the next to be published Journal, but instead will receive the forthcoming issue the next quarter. Memberships received at hamfests will receive a current "Repeater Journal" as long as supplies are available and the next regularly scheduled issue through the mail.

About Full Repeater Membership . . .

Officers and Directors are elected from members of CVRA-SERA Full Membership. Any repeater owner or club may join our organization as a Full Member by filling out an application and submitting it with $8.00 annual membership fee. Two representatives are named for each membership and each receive the "Repeater Journal." The Full Member repeater is appropriately recognized as a full member repeater in our repeater index in the Journal. Full Memberships all expire on December 31 each calendar year.

Georgia Now An Official District

The annual Board meeting in Shelby was a few days early to officially vote in Georgia as a Full Member District of CVRA-SERA. The Constitution and By-laws of the organization specify that the Board must wait 30 days before acting on a By-Law change.

The rules were suspended slightly to allow a vote at Shelby, which would become effective 5 days later on September 5th. The vote was unamious in favor, so Georgia officially became a full fledged District of CVRA-SERA on September 5, 1985.

At press time, the newly formed District had not had time to hold an election to elect a Director and Vice-Director, so interim officials have been installed so the District can begin functioning, until an election is held.

The Interim Director is Newell Anderson, W4AQE of College Park, and the Interim Vice-Director is John Robertson, N4BGL. John is handling any coordination necessary until official officers are installed. Their complete addresses and phone numbers are listed on the back cover of the Journal.

Dave Shiplett, WL7ACY has been named an Assistant Director, which will be a permanent appointive position under the new officials when they are elected.

Cogle, Fitzgerald, Morgan, Adams Renominated for Another Term

The present slate of officers for CVRA-SERA were unanimously nominated for another term of office by voice vote of the Board at the meeting at Shelby last September.

"This by no means makes it a railroad job," said Wayne Williams, Journal Editor. "The entire membership has their chance at nominating any or all positions for the officers with the 'on the floor' ballot included in the November Journal."

If no other nominations are received by the Secretary by November 15th, the nominated officers will be elected to fill another term.

The membership is urged to consider if they feel another candidate would better suit the job, and send in their nomination on the printed form in this issue.

At the meeting, in his nomination statement, Williams said: "I think the job which has been done over the past year by our four officers is by far the best of any group we have had since I have been with the organization."

Williams mentioned that Jim Fitzgerald had worked hard with Full Membership and done an outstanding job as vice-president. He said Carter Cogle had taken the job of President and had been very active in all areas other than just presiding over the meetings. Nita Morgan had contributed much in supplying information to the boys in Georgia and kept a good set of minutes for every meeting.

"A standout in the crowd," Williams said, "is Ray Adams. He has saved his organization from chaos, by getting our non-profit status, just before the IRS was ready to kill us off, and probably put us in jail. He keeps a magnificent set of books, and being a CPA, is most valuable to CVRA-SERA as treasurer."

According to the CVRA-SERA Constitution, if no additional nominations for any of the four offices are received by the Secretary, the board will proclaim the four nominees as elected to the 1986-1987 terms of office. If any nominations are received from the application printed in this issue of the Journal, the Secretary will send a ballot to every Full Member to vote for their choice. Any nominations must be in the hands of the Secretary by November 15th. All statements on the ballot in the Journal must be completed, and three repeater full members must sign the ballot. It then should be mailed to the secretary.

Minutes of Annual Meeting CVRA-SERA, Shelby, Aug. 31

— by Nita Morgan, N4DON
Secretary

The meeting of the Board of Directors of the CVRA/SouthEastern Repeater Association held at the Governor's Inn in Shelby, N.C. was called to order by President Carter Cogle at 8:15 P.M., August 31, 1985.

Bill Greenfell gave a report on several things that are happening in Washington, D.C. He told of a number of petitions that had been filed but had not been given docket numbers.

Beacham Leonard, Director from North Carolina said he is working to digest the records passed on to him by Ken Woodard. He thinks packet radio needs to be taken under advisement and be aware of. Beacham reports that the packet link on 145.01 MHz goes from Boston to Roanoke and from Atlanta to Miami. The gap is being filled in with South Carolina and there plans for more locations in North Carolina.

Danny Hampton has had telephone inquiries about what is going to happen on the 220 MHz band. He feels packet needs to be looked at in January.

Directors from Virginia and South Carolina were not at the meeting.

Jean Geisler, Tennessee Vice-Director had talked with Tom Park who reported more request for 450 MHz frequencies are coming out of West Tennessee. Tom is working hard and has established a good liason with West Tennessee and has a good contact in Kentucky.

Bill Gilley reported there will be a packet repeater on Short Mountain probably by next month. He has had problems from Alabama with 20 Kc split, but is able to live with it.

Kentucky and West Virginia were not represented but had sent letters of regret.

Vice President Jim Fitzgerald was unable to attend the meeting due to a fall he had taken from a ladder about two weeks before.

Ray Adams reported on changes in banking accounts. He also said he has been getting his HOTP issue of the Journal since January. Ray suggested everyone listed in the Journal should receive one by first class mail. Wayne made a motion that SERA pay the first class postabe to send a copy of the Journal to Officers, Directors and others listed. Jean, W4TYU, seconded the motion which passed.

The CVRA net is resuming. There is trouble getting the net across the Smoky Mountains for rebroadcasting on other repeaters. Ray made a motion to use SERA's MCI service to link the CVRA net with Knoxville repeaters. This received a second from Lindsey and passed.

The next issue of the Journal will contain letters to the Editor. Wayne will publish a letter as long as it is not libelous and is signed.

David Ward announced the new decals are on sale as well as hats. He also distributed print outs of repeater members. Lindsey said David as done a nice job of converting the records over to his computer. They now have two computers and two systems - each backing up the other.

Carter recognized the good job Ray and Wayne had done. Lindsey who has been with the association for 11 years was presented a plaque of appreciation by Carter.

East Kentucky is a District now and mountains of petitions have been received from Georgia. Wayne made a motion to accept Georgia as a District effective September 5, 1985. Beacham seconded the motion and it passed.

Lindsey reported on the meeting of Georgia repeater owners held at the Atlanta Hamfest in July. He has spent about $1000.00 to mail packets out. Wayne made a motion to reimburse the Georgia organization for work and incurred expense in four equal payments. The motion was seconded by Beacham and passed.

Carter told those present that this is an election year and a nominating committee needs to be set up. Beacham made a motion to renominate the existing officers. Jean seconded the motion which passed.

Location for the mid-winter meeting was discussed. Wayne thinks it should be in Knoxville. Ray will make arrangements for a meeting there on January 18 and 19, 1986.

Carter asked if we should still support the ARRL band plan. Those present at the meeting agreed with the following statement made by Ray Adams. "Because we have experienced so few problems with our present 15 Kc separation band plan, which very closely parallels the ARRL band plan, and there is no other plan which would improve the compatability with contiguous areas, unless and until a commonly-recognized national band plan different from that which we are now using identifies itself, we have little alternative but bide our time."

Douglas Drye a visitor at the meeting made some comments on packet radio. He will write an article for the journal and will try to be at the meeting in Knoxville.

The meeting adjourned at 10:00 P.M.

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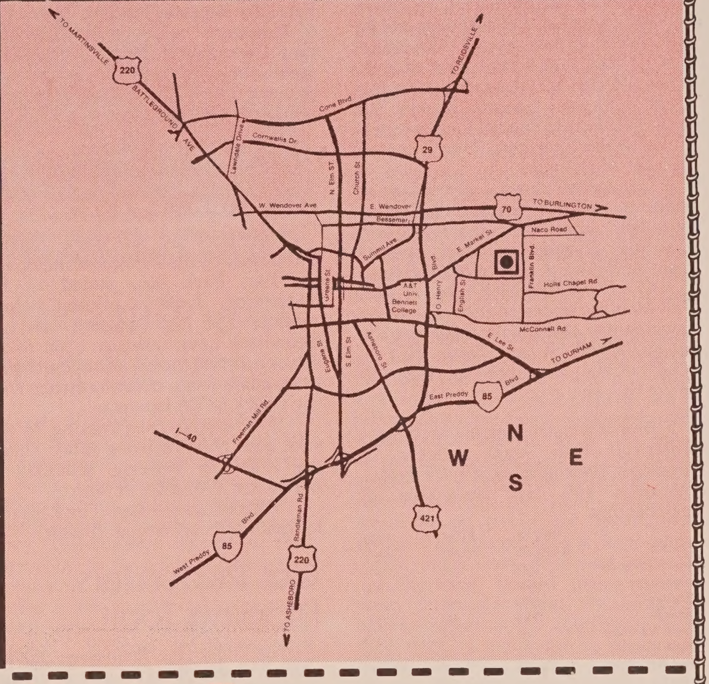
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•Monies must be received in Greensboro no later than November 15, 1985.
Make all checks payable to the **GREATER GREENSBORO HAMFEST.**

Georgia Places Second In Amazing Start

Full Membership At All Time High In CVRA-SERA

— by Wayne C. Williams, K4MOB

When you think of CVRA-SERA now, you have to think of BIG! Our territory now covers about 916 different repeaters over a seven state area in the Southeast.

The most amazing thing that has happened this year has been the unbelievable activity in Georgia. Granted they had quite a few repeaters already signed as full members before they were formed as a CVRA-SERA district, but that wasn't good enough. They DOUBLED the number in less than a month. Georgia is now our SECOND largest district in numbers of Full Member repeaters (fourth in total number of repeaters).

Our largest district in numbers of repeaters and numbers of Full Member repeaters continues to be North Carolina. Virginia is third in full memberships and also total repeaters.

Overall, CVRA-SERA has a 58% Full Member representation across our seven States. Of 916 total repeaters, 532 are CVRA-SERA members. This is good, but we need to do better. 1986 will prove we can.

Here is a chart showing each State (District), their total number of repeaters, their number of full member repeaters and the percentage of membership.

STATE	TOTAL REPTRS	FULL MBRS	PER CENT
North Carolina	212	148	70%
Tennessee	194	83	43%
Virginia	164	93	57%
Georgia	155	95	61%
South Carolina	86	55	64%
West Virginia	81	41	51%
East Kentucky	24	17	71%
TOTALS	916	532	58%

From the chart above, it is obvious that our two newest districts, Eastern Kentucky and Georgia, aren't going to let the "old timer" districts stay ahead long in percentages.

You repeater owners and users in the various Districts look at your District and see how they are doing. We see some of the Districts falling behind in membership. You as repeater users can bring some gentle pressure on them and urge them to join CVRA-SERA as Full Members. Let's see those percentages go up in 1986. Let's set a goal of 700 repeater members in 1986, and in 1987, we might just go for 100% representation, who knows?

Repeater owners who were NOT Full Members in calendar yer 1985 may use the Full Membership repeater application printed in this issue of the Journal. Membership for repeaters is only $10.00 for the year, and allows two representatives to be named, each receive the Repeater Journal. Persons owning more than one repeater, can list all of their repeaters under one membership and pay only one fee. Only two reps can be named.

Deadline to be listed in the February Repeater Journal "Honor Roll of Repeaters" is postmarked no later than December 31, 1985. To reflect full membership in the February Journal, (but not be on Honor Roll) deadline is January 15, 1986.

Three Tennessee Repeaters Flip!

We note as we were making correctiona in the Tennessee index, and as Tom Park also stated in his Tennessee Tidbits column, three repeaters in the western part of Tennessee have taken it upon themselves to invert their non-standard pairs to standard pairs, in conformance with the CVRA-SERA bandplan.

It is indeed enheartening to see such good public spirited fellas. Thank you NO4Q in Waverly, WB4EDS in Alamo and WA4ZQX in Martin.

Thanks again fellas. The Repeater Journal hat is off to you. (Editor)

Ga. Repeaters Flipping Too!!

Not only is Tennessee having several repeaters to reverse or change their frequencies to standard band plan pairs, but we noticed as we went through correcting Georgia index this time, that several Georgia repeaters have also inverted to the standard band plan.

Congratulations to the following and their new frequencies: Ashburn, KF4BI, 147.885-147.285; Fayetteville, K4UWN, 146.085-146.685; Warner Robbins, W4MST, 147.615-147.015; and Athens, WB4BKF, 144.65-145.25.

Are there any others we missed? If so let the editor know so he can acknowledge you. This shows the good spirit of those Georgia repeaters in immediately conforming with their "new" band plan with CVRA-SERA. We hope your initiative will be an inspiration to those others who have frequencies not contrary to the recognized band plan.

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The Saga Of Hurricane Gloria

"The Show Isn't Over Until The Fat Lady Sings"

— by Roger Paxton, KB4BME

Ever have one of those moments that you wished you had finished that project you started the first of the month? That was the feeling that was going through my head as I talked to Reed AB4W (State EC) last September. His call was to tell me of the predictions for the newest hurricane, Gloria. I found little comfort in the fact that one of the forecasters was predicting that Hyde County lay directly in the path. With first thoughts of preparation being blocked by the fact that I hadn't finished the antenna work at the courthouse, I called John, W4FAD, in Washington, N.C. He agreed to come down the next morning and help me hang a dipole, and finish the two-meter antennas (reinforcing the brackets which connected the mast to the tower.) By lunchtime Wednesday the job was completed. Hyde County now had a 2-meter groundplane and beam, and a 75-meter inverted Vee: attached to the tower on the second story roof of the courthouse.

I got Sherwood Godwin N4EVP, out of bed Wednesday morning after hearing the NOAA weather. His response was immediate and affirmative: Look for him to arrive after supper: His was to be a 250 mile excursion from Robbins, N.C. to Swan Quarter. The remainder of the day was spent readying the 10kw generator which would power the Community owned FM station at the local high school, in the event of power failure.

Sherwood arrived about seven-thirty Wednesday night. We unloaded his equipment at the courthouse and then went to my house to move my station. Sherwood's Yeasu would be the primary HF rig, with the county's 430S being the back-up. My Azden would be the 2-meter rig and was attached to the beam. My scanner was then attached to the G-6 and was programmed to scan the surrounding repeater frequencies. We had a 20 amp power supply and on Thursday acquired two heavy-duty 12 volt batteries from the county. In addition to the antennas mounted on the tower we carried with us another 11-element beam, a 1/4-wave groundplane, a 75-meter dipole, and enough coax to feed down to the courtroom. This was to be insurance in case we lost antennas or the tower during the storm, we would be able to re-establish the station after the storm.

We got to bed about midnight and were up by six-thirty to check the weather. With Gloria still doing her

Continued on Page 9

The Old Hyde County Courthouse at Swan Quarter, NC was considered one of the safest places in Hyde County as Hurricane Gloria approached last September. Amateur radio was set up in the top floor to keep the county in communications with the outside world. (Photo ctsy: Sherwood Godwin, N4EVP)

Amateur Communications In Hyde County During Storm

— by Sherwood Godwin, N4EVP

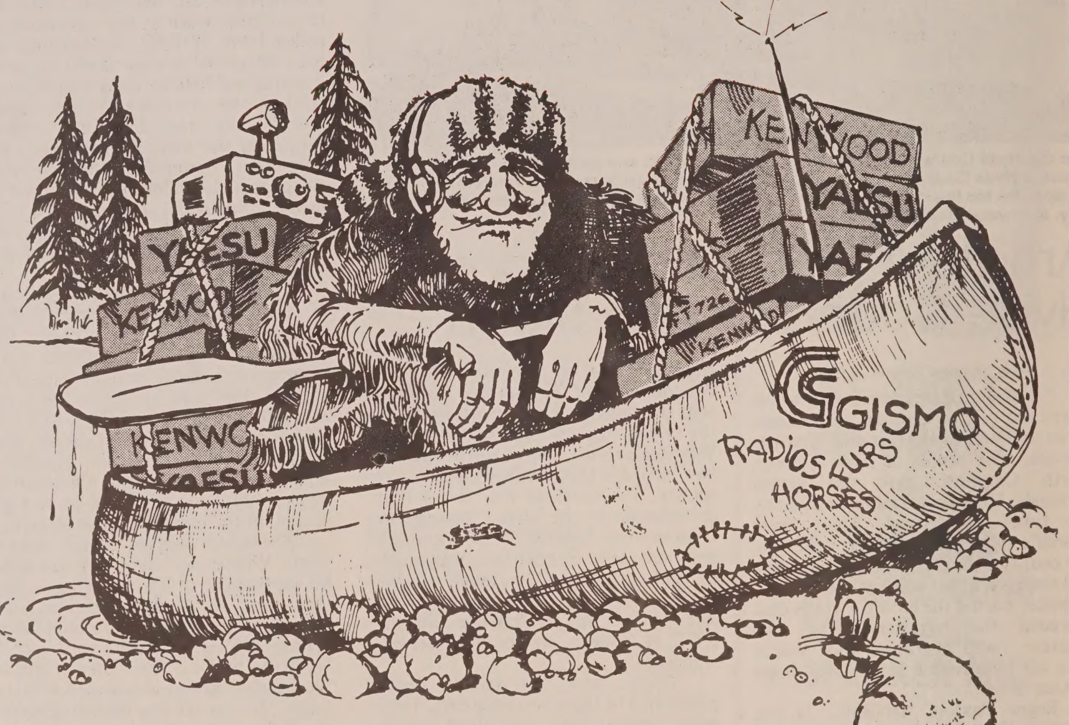
"A Killer Hurricane", the worst hurricane of this century" are names given to Gloria by the National Weather Service. The people of Hyde County, North Carolina, took the names seriously. Most people had evacuated by the time she arrived. There were sheriff's department, county officials, the county emergency personnel, some 500 stragglers that were gathered up in a shelter during the 60 mph winds that preceded the hurricane, and two amateur radio operators that would pass all information when the phone service failed.

Roger Paxton, KB4BME, is the county EC. Roger had the full cooperation of Hyde County officials. It is usually not a question of whether the phone service will be disrupted, but it is a matter of when. Sheriff Roland Dale wanted to be in contact with the rest of the world, if an emergency did arise. Amateurs are always welcome in Hyde County especially during a crisis.

Roger, KB4BME, was assisted by Sherwood Godwin, N4EVP, an amateur from near Robbins, NC. The station was in the county courthouse in the only courtroom.

KB5BME and N4EVP ran messages and queries up and down the stairs to the sheriff's office through the night. They also kept in touch with the National Weather Service office at Buxton. Some of the data that the NWS sent out was information passed from the Hyde County amateurs to the Weather Service. One example was the two tornados that touched down in the county. The quickest way to get that information to the State's Emergency Operations Center was through amateur radio. Sheriff Dale was quick to call upon the amateurs at his disposal. Within minutes, the information was in Raleigh and the NWS at Buxton was issuing tornado warnings.

There were no gallant deeds performed by these two amateurs. They were simply there with their talents and skills to be of service. Had the storm come inland, as expected, they were ready to give of themselves to help others. It might be noted that N4EVP had some fears at one point. It seems that Sheriff Dale was not so certain that the turn-of-century courthouse could withstand the 130 mph winds that Gloria was packing. N4EVP was heard to say something about being afraid that he had driven 240 miles to risk his life helping others. It did not seem gallant to him; it was a matter of offering what one had to help others. Is that not a part of amateur radio, helping others? During Hurricane Gloria, there were a lot of amatuers - risking and helping.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Hurricane Gloria Blasts Up East Coast

ROGER PAXTON, KB4ME, Hyde County EC was on duty throughout the threat of Hurricane Gloria from the Hyde County Courthouse. His operations were set up in the top floor usually reserved for a court room. Roger, and Sherwood Godwin, N4EVP from Robbins ran communications from the Swan Quarter area, passing and receiving messages for the Sheriff's department, also housed in the building.

thing we grabbed a bite of breakfast (actually several) and then started picking up things in my house; It takes about a four foot sea-surge to put water over my floorboards. We picked up everything of value and placed bottom drawers on the beds. The yard was picked up and as much as possible moved from the carport to the house, they say a rake moving in excess of 100mph is quite impressive. After grabbing a couple of neighbors we manhandled my 5-kw generator into the back of my pick-up (another unfinished project), out of the reach of the tidal flow. Our next trip is to the store for provisions, can goods, bread, sodas, and the like. An opener, some utensils from the house, and a cooler of ice rounded out the supplies. A quick shower, trip up to a friends field to leave the vehicles (high ground!?) and we were ready to sign on.

We had been in contact with Bernie WA4MOK (District EC), and several others via the 2-meter rig in the truck. The guys on the outer banks were getting set up and Bill WA4SLC, the Beaufort County EC had established a station at the Beaufort County courthouse in the office of the Emergency Management Coordinator, Doug Hoell. It had been previously decided that one of our functions, in addition to moving traffic in and out of Hyde County, would be to serve as a link between the Outer Banks and the Area A office. Additionally, I scrounged up a barometer that we might be able to give some relative weather information to Walley DeMaurice at the Buxton Weather Station. (This proved to be of great significance as the storm progressed.)

With Sherwood's Yeasu hooked to the inverted-vee, we decided to rig an indoor antenna for the Kenwood as a back-up. This consisted of about seventy-five feet of wire around the perimeter of the courtroom and down the hall, terminating on a window screen at the far end of the hall. A tuner was used to bring the swr down to a respectable level. We checked in on the Hurricane Net at 1800.

We set our station against an exterior wall of the second story courtroom. At our request the windows at either end of our operating table were boarded over with plywood. Power was run to us via an extension cord that would be connected to the auxiliary generator in the event that the utility went down. I "borrowed" the telephone out of the judges chambers and spliced in enough wire to run it over to the table. By this time we were getting some rain and some very mild winds.

The beam antenna had been purposely aimed towards the Bodie Island Repeater and deflected a bit South towards the Buxton Weather Station (in the event that we lost the repeater). We could work the two Greenville machines off the back side and possibly even .880 in Raleigh. I had hoped that we would be able to hit Elizabeth City with the ground plane as well as 5.21 (Trenton). Elizabeth City was hopeless, at best, and we found that we could use Trenton working off the side of the beam. We received word that N4JRZ was on his way to set up at Columbia, and that would fill the gap to the North. I talked with Bill N4JXG, out at Kitty Hawk, he was at the Fire Dept. there. Joe WB4ZJP, was on the air from his home in Manteo. The Coast Guard was supplying the Buxton Weather Station with an operator and an all band synthecized rig. (Shortly after the Coast Guard Operator had established the station, the Coast Guard moved all of their personnel to Elizabeth City. We were back to square one). Bill told me that Dan N4AAY, would go to Buxton and help out as soon as his relief came (dispatcher for the Dare Co. Sheriff's Office). Later in the evening Dan did sign on and proved to be invaluable. Clarence W0JEH, signed on from the CAP HQ at the Dare Co. Airport, he later moved over to the Dare Co. Emergency Operations Center. I checked briefly with Bee Warren W4TLA, Pasquotank Co. EC, in Elizabeth City and shifted my attention closer home. It was along about then that Roland Dale, Hyde Co. Sheriff, came up and told us that he was closing the jail and putting the prisoners upstairs with us in the courtroom. Nothing like a little more confusion to make a good catastrophe go just a bit farther.

As the night wore on the rain and winds were both mild and sporatic, it was after 7 o'clock before they really started to lay into us. We passed some traffic for the Red Cross concerning the shelter in the county, and a couple of queries from the Area A Coord, Sherwood taking care of 75 meters and I the 2 meter rig. At 1915 the decision was made to move the shelter from the High School to Jamesville, further inland and a more substantial building. The sheriff requested that the shelter operation not be terminated because of people who were still moving from low lying areas. Within a matter of minutes Sheriff Dale determined that it would not be safe to move the occupants of the shelter so they were unloaded from the school buses and placed back in the high school. By 2110 our barometric pressure had dropped to 29.425", in comparison we learned that our reading was lower than both Washington's and Buxton's, comforting info [illegible] best. AT 2149 we relayed [illegible]he Sheriff that a toronado had struck in Pantego and caused minor property damage. This we sent to the weather stations in both Raleigh and Buxton, and to the EOC in Raleigh and Washington. Hatteras and parts of the Outer Banks were now without power. Ours had flickered and we were expecting to lose it at any time. At 2200 we notified the above stations of a second tornado, this time just inside the Western border of Hyde County. (How do you spell relief??). We are now

Continued on Page 10

Reflections On The Hurricane, Were We As Ready As Needed?

— by Roger Paxton, KB4BME

Reflection is a great thing, it provides insight, and it tends to negate a lot of the negative feelings that might have been experienced. I grew up in Wilmington and had experienced as a child some of North Carolina's finest hurricanes, including Hazel. When I moved to Swan Quarter in June of 1984, I wasn't overly concerned about the possibility of one occuring until I was educated as to how much water might find its way into my home from the nearby Pamlico Sound. This thought is not the least bit comforting. I learned a lot from my experience during the Diana crisis last September, even though she had not reached the northern half of the state. During that time, armed with a two month old Tech. ticket, I tried to be of assistance to the county and to the area Ham community. The best I can say for that was that I was on the air, how effective I would have been if the storm had have hit I shudder to think. The important thing that came from that experience wasn't immediate, but rather served as the learning tool that helped not only myself but also the entire area prepare for Hurricane Gloria.

Earlier I received authorization to purchase antennas for the courthouse from the county manager. Working with him, and after consulting with several people, we placed an order for a G-6, an eleven element beam, enough 9913 for both, plus a run of mil. 213 for the HF dipole. Labor Day found John W4FAD, and Bill WA4SLC, traveling from Washington to Hyde County. By three that afternoon we had the 2-meter antennas installed and tuned. As mentioned previously, John returned the day before the storm and we reinforced the installation and set up the Inverted Vee for 75-meters.

I had also learned from Diana that in realistic terms it would take more than just myself to man the station. Sherwood N4EVP, is a colleague in the ministry and a close friend. I knew that he had a lot of HF experience and had moved a fair amount of traffic. In neither of these areas did I want to test my profiency under emergency conditions. I also knew that Sherwood and I would work well together under duress, thus it was to the tune of my melodious voice tht he awoke on Wednesday morning. It took but a moment of explaining and he was making plans to be in Swan Quarter by dark that day (another thing that I appreciate in Sherwood).

Our inventory of equipment which we took to the courthouse, but in retrospect there is little I wouldn't take next time. Besides two HF rigs and a 2-meter rig we took a multi-band scanner, extension cords, a multi-outlet, A C strip, 2 good pair of headphones, a hundred feet of telephone 4-conductor wire, several runs of coax, a small florescent desk lamp, material to use for a dipole, rope, Antenna tuners, soldering iron and several space connectors, multi-meter, scratch pads, logs, food, water, bedding, can opener and eating utensils, flashlights, batteries, candles, plus a couple of spare 2-meter antennas. Again the idea was not just to be able to operate during the storm, but also to be able to re-establish the station in the event everything was wiped out (except the operators, of course).

Most of Hurricane Gloria is behind us now and it's hard to back to the feelings that were running so strong during that time. I remember the feeling that even though it was hot and sunny now it was going to change for the worse and I had to be ready. There was the distaste and dread that came with the thoughts of my house being under water. The sense of danger was perhaps slow in coming. It wasn't until Thursday afternoon that you could really see the preparations that the residents of the village had made, windows taped, businesses closed, yard furniture either removed or tied down, almost all of those who had not left for higher ground had moved their vehicles to the North end of the village beyond the storm surge's reach; even the birds had disappeared. At the water front those boats that couldn't be hauled out had been tied off with storm moorings. By five thirty Thursday evening one would have thought a plague had invaded Swan Quarter.

One can't really describe the mixture of feelings that are experienced as the winds increase as do the warnings of storm gales and the potential threat to life and limb becomes more and more sobering. We had boarded the windows in the immediate area of where we were operating our station. Later that night after talking with Reed AB4W, we dismantled one of the HF rigs and placed it, a tuner, and some wire in a weather tight ammo box. Should the plywood not hold the windows we cleared from under the table a place to dodge the flying debris. (Have you ever stopped to think how it might feel to be a statistic?) The sheriff had unlocked the vault room where the court records are kept and even though it was on the first floor, it was the strongest room in the building, plus it was large enough to house everyone in the building.

With the dawn of Friday, Sherwood and I both realized that we were spent. Had there been a great deal of traffic that day then we would had to have been replaced. Fortunately the storm damage was contained mainly to downed trees, blocked roads and dangling power lines. As others began to crank chain saws, we headed for some decent sleep and just a chance to get away, both thankful it had been no worse.

More Hurricane Coverage From State and NWS On Page 19 this issue.

Show Isn't Over Till

Continued from Page 9

operating on auxiliary power, by 2230 our Barometer is reading 29.345", still the lower of the three stations.

Shortly after midnight our barometric pressure was 29.100", by now the storm was starting to turn as Buxton's readings were starting to fall faster than ours. Our winds continued to increase as did the rain. Close to 0100 Buxton reported the eye was approaching them and that Diamond Shoals Monitering station was reporting winds of 121 knots. As Gloria moved northward our winds began to shift from the N-NW to the W-SW. This put the pressure against our side of the courthouse. Presently we lost an attic window to the wind, needless to say, it did nothing to help our moral either. The winds became sporatic in direction and intensity. I learned later that we had had gusts up to 110 MPH. Later (around 0430) the wind lifted a portion of the gymnasium roof at the high school. The shelter was shifted to other parts of the building. At 0505 we sent a request from the sheriff for assistance from Area A to help clear the roads of trees. If we were to need medical help it would have to come via helicopter. We handled several more pieces of routine traffic and finally pulled the plug on the station at 0550; tired didn't even come close to describing our state of being.

Later that morning we signed back on and handled several pieces of traffic concerning damage and needs for the county. We were able to confirm that there had been no injuries on Ocracoke Island and that the damage there had been minimal. As the morning progressed the need for constant monitoring diminished and we notified Area A that we would check in on an hourly basis, beginning at noon.

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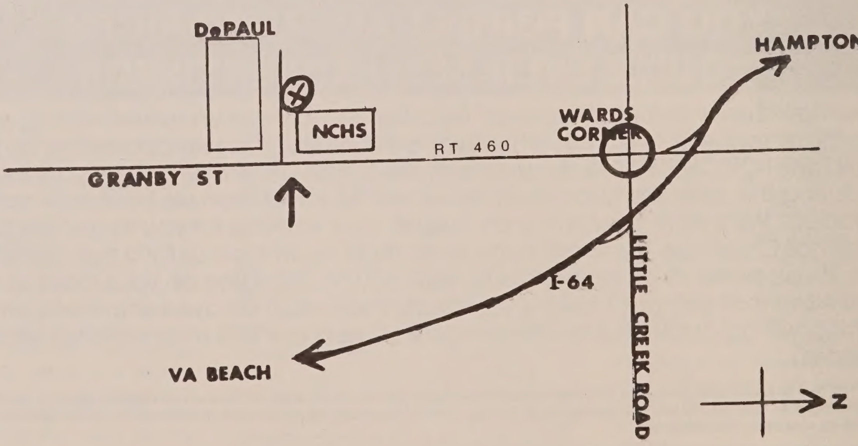
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Full Membership Renewal Time - Coming Up!

— by Gerry Butts
Full Membership Chairman

All 1985 Repeater Full Memberships will expire on December 31, 1985, with the exception of a few groups who have already paid their 1986 dues.

As in the past, our Full Membership committee will mail out renewal forms to each Full Member representative from the calendar year 1985. For the benefit of other repeater owners who have never joined, or did not renew in 1985, we are printing a Full Membership application in this issue of the Repeater Journal. You are encouraged to use this application if you were not a full member in 1985, because no renewal forms will be mailed to you.

All renewal or Full Membership applications must be mailed to: FULL MEMBERSHIP CVRA-SERA, POST OFFICE BOX 5655, GREENSBORO, N.C. 27435. This allows an orderly distribution of the forms and checks to the right persons without any delay. Forms mailed to ANY other address might be delayed, or possibly even lost.

Honor Roll - 1986

Our ever popular honor holl of repeaters will be printed in the February issue of the Repeater Journal. To qualify for listing in this section, Full Membership applications must be postmarked NO LATER than DECEMBER 31, 1985.

Last February, the Honor Roll list included an all-time record of 219 memberships, totaling or representing 321 repeaters. We hope we will top that record this year.

When renewal notices are mailed out in late November, don't lay it down, fill it out, and send back with your dues as soon as possible.

The Application

Again, we urge members to fill out the Full Membership application as accurately and completely as possible. Use the back of the form if necessary, or make additional copies if desired.

We receive numerous complaints from groups who own 4 or more repeaters about not enough space on the form, and we are receiving static from Packet repeater owners who say the form doesn't fit their equipment requirements. Since the majority of our 500 repeater owners own less than 2 repeaters, and only a minority of them are packet repeaters, we have decided to leave the form alone. We hope by using the back and making additional copies, it can be modified to each repeater owners desire.

Don't forget, deadline for Honor Roll is postmarked no later than December 31, 1985. To be credited with renewal in the February issue, in our repeater index, the deadline for receipt is around January 15, 1986. Any repeaters who fail to renew by that time will be designated with a "D" beside their repeater in the index. Non member repeaters will continue to have an "N" beside their listing.

New VE Exam Contact For Richmond (VA) Exams

Don Walker, N4BLW of 1803 Leslie Lane, Richmond, Va. 23228 is the new contact person for ARRL-VEC exams given regularly at J. Sargeant Reynolds Community College in Richmond, Va. Don's phone number is (804) 262-3918.

The next exams are scheduled for Saturday, Nov. 16th and on Saturday, January 11th, 1986. (the day before the Richmond Frostfest)

Greensboro Hamfest Date Is Changed

The new Greensboro Hamfest date is Nov. 23-24, the weekend before Thanksgiving. The club gave no reasons for the date change.

Bluefield VE Team Examination Sked

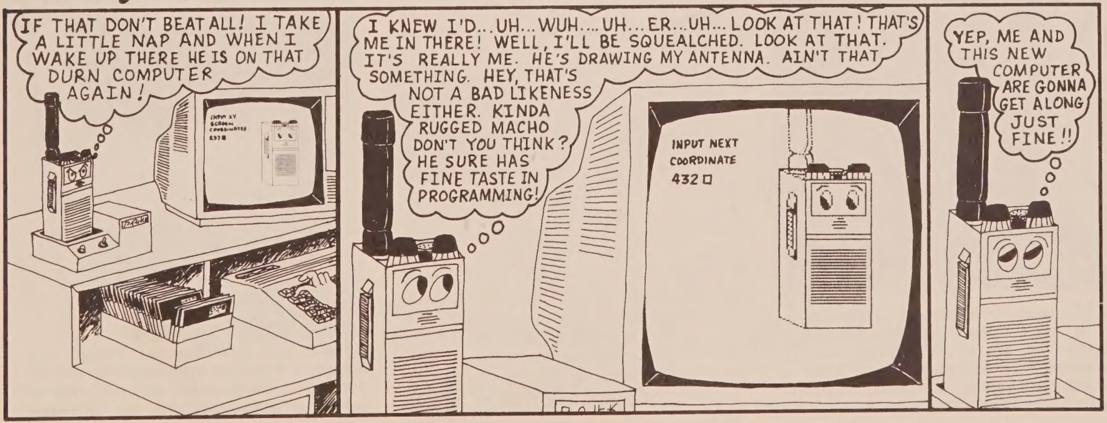
The Bluefield Examining Team, sponsored by the East River Amateur Radio Club, will offer amateur radio testing for the FCC licenses, Novice through Extra Class on the dates listed below.

Don Williams, WA4K, spokesman for the volunteer examining team, asks that all amateurs who want to take the test consult the attached schedule, remembering that all exams will be held the second Saturday of the month in which the Repeater Journal is published, with the exception of August, when the exams will be held on the day of the Bluefield Hamfest in Bluefield, West Virginia.

Exams are scheduled for 9:00 a.m. at the Basic Science Auditorium at Bluefield State College (Bluefield, West Virginia). Walk-in examinations will be accepted. However, the team requests that candidates bring a photocopy and the original of their license, a check payable to "ERARC/VE" for $4.00, and a completed FCC Form 610 (June 1984).

Saturday, November 9, 1985
Saturday, February 8, 1986
Saturday, May 10, 1986
Sunday, August 24, 1986

Stubby *by Fred Hurteau, WD4SKH*


IF THAT DON'T BEAT ALL! I TAKE A LITTLE NAP AND WHEN I WAKE UP THERE HE IS ON THAT DURN COMPUTER AGAIN!
I KNEW I'D...UH...WUH....UH...ER...UH... LOOK AT THAT! THAT'S ME IN THERE! WELL, I'LL BE SQUEALCHED. LOOK AT THAT. IT'S REALLY ME. HE'S DRAWING MY ANTENNA. AIN'T THAT SOMETHING. HEY, THAT'S NOT A BAD LIKENESS EITHER. KINDA RUGGED MACHO DON'T YOU THINK? HE SURE HAS FINE TASTE IN PROGRAMMING!
INPUT NEXT COORDINATE
432
YEP, ME AND THIS NEW COMPUTER ARE GONNA GET ALONG JUST FINE!!

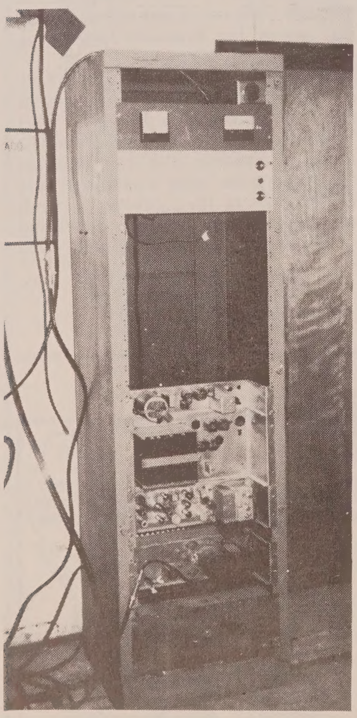
A REPEATER JOURNAL
SPECIAL SECTION

Meet E. Kentucky Repeaters

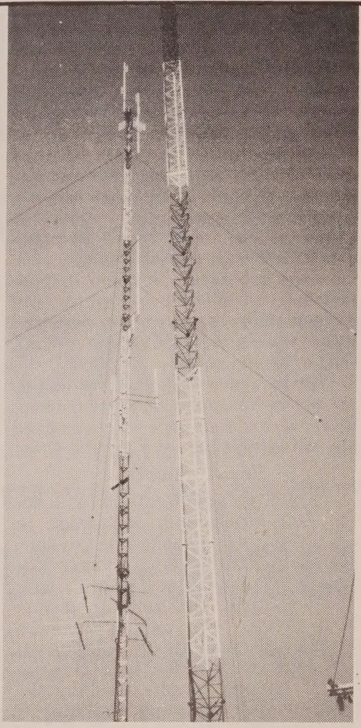
Ashland (Ky) 34-94 Repeater Owned by River Cities ARA

The Ashland, Kentucky 146.34/94 repeater is supported and maintained by the River cities Amateur Radio Association. This repeater is one of the first machines to be put into operation in the Ohio Valley and has consistently provided excellent coverage of several counties in Kentucky, Ohio, and West Virginia. It first came on the air in the late 1960's or early 70's. The exact date cannot be determined because all the original owners have left the area. It became the property of the River Cities Amateur Radio Association approximately two years ago when the last of these original owners was transferred from the area.

Since that time the repeater committee from R.C.A.R.A. has been responsible for the maintenance of the repeater and has tried to make improvements in the repeater and the antenna system. At the present time we are using a combination of home-brew and converted Motorola equipment, Wacom duplexeers, and a 4 pole antenna at approximately 180 feet. We also have a converted Motorola unit as a back-up machine running around 10 watts to a 4 pole at 90 feet and a separate receive antenna (2 pole) at approximately 25 feet. The club is considering the purchase of a new repeater and feedline and we are looking forward to these improvements on our system.



KK4Y repeater in Ashland is neatly housed in a rack. The "homebrewed" and converted Motorola equipment is maintained by the River Cities ARA. A backup repeater of converted Motorola equipment is also maintained.



ASHLAND, KY. - A crane assists in raising antennas on the tower housing the KK4Y 34-94 Ashland repeater system. This machine was one of the early machines on the air in the late 1960's.

The River Cities Amateur Radio Association is now approximately 75 members strong and is made up of amateurs from the three states of Kentucky, Ohio, and West Virginia. In addition to the repeater, the club supports a nightly traffic net on the repeater, a 2 meter weather emergency net which can be activated at any time, and other public service projects. We have just recently joined the CVRA-SERA and look forward to working with this organization in further advancing amateur radio and operation in the FM mode.

Pikeville N4IXA Repeater

— by Terry West, WB4F

The Pikeville (ky) 146.25-146.85 repeater was on the air in the mid-70's with the call of WR4AMS. Today, the N4IXA repeater is located on Duty's Knob on the Pikeville bypass at an elevation of 1,560 feet.

The Spectrum SCR-1000 repeater is controlled by an ACC RC-850 controller. It has Wacom duplexers and a Phelps-Dodge Celwave antenna.

The controller gives unique features for the 25-85 users, including open autopatch, user autodial, emergency autodial, voice response telemetry, tone pad test, time of day, remote base, and mailbox.

N4IXA is open to everyone. The SERA News Net is carried on this repeater on Wednesday nights. The Full SERA Member machine is owned by N4IXA, N4IWY and WB4F.

Pikeville N4IWZ Repeater

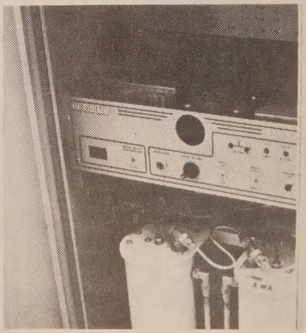
— by Terry West, WB4F

The Pikeville (Ky) 144.59-145.19 N4IWZ repeater was put on the air in July of 1981 on Bent Mountain at an elevation of 1,880 feet as KA4BQH/R. In order to provide a wider area of coverage, the repeater was moved to Flatwoods Mountain, about 20 miles South of Pikeville.

The system sets at an elevation of 2,856 feet and consists of a Maggiore Hi Pro Mk. II repeater, with Wacom duplexers and a Phelps Dodge Stationmaster antenna.

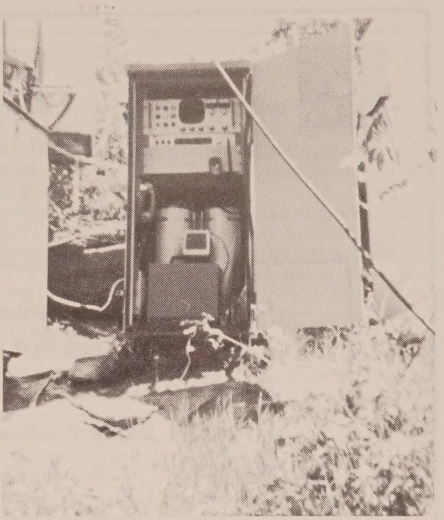
N4IWZ has excellent coverage and is an open system. The repeater is a Full Member of CVRA-SERA and is owned by N4IWZ.

More Kentucky on Page 15



N4IWZ repeater cabinet shows the Maggiore Hi Pro Mk II repeater. The 144.59-145.19 Pikeville machine was put on the air in 1981 on Bent Mt. at 1,880 feet. (Photo by Gary, KB4PJQ)

N4ETG repeater at Pikeville is housed in a specially built weatherproof cabinet, (the dark one near center of picture). The white on the ground is snow, in case you were wondering.

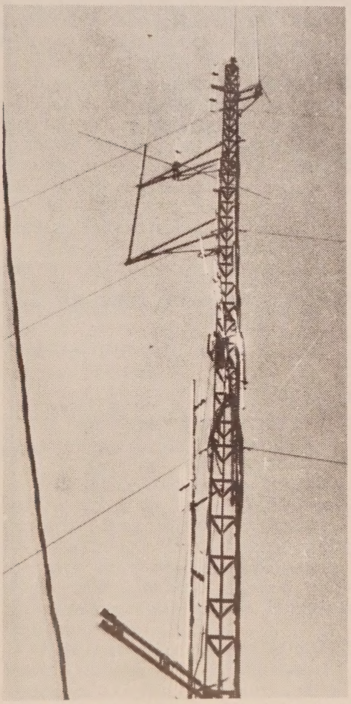


FULL VIEW of the N4IXA repeater cabinet at the foot of the tower near Pikeville. The complete system is housed in a weatherproof metal cabinet/building behind a sturdy fence.

A Pictorial Story Of E. Kentucky's Repeaters

More on Page 17

PHONE LINE is checked by WB4F on the N4IXA repeater system in Pikeville. The 25-85 machine is controlled by an RC-850 controller. Duplexers are by Wacomm, and a Phelps Dodge Celwave antenna. The repeater is a Spectrum SCR-1000. (Photo by Gary Richie, KB4PJQ).



TOWER full of antennas on Duty's Knob at Pikeville, Ky. The N4IXA 25-85 machine owns some of the antennas for their repeater.

GARY METCALF, KJ4FQ checks out some of th controls of the N4IXA repeater in Pikeville. The RC-850 controller allows users of the 25-85 machine extensively autopatch, autodial, emergency audodial, tone pad tests, time of day, remote base and mailbox capabilities. (KB4PJQ Photo)

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Panasonic Disc Drives DSDD	$125.00 Ea.
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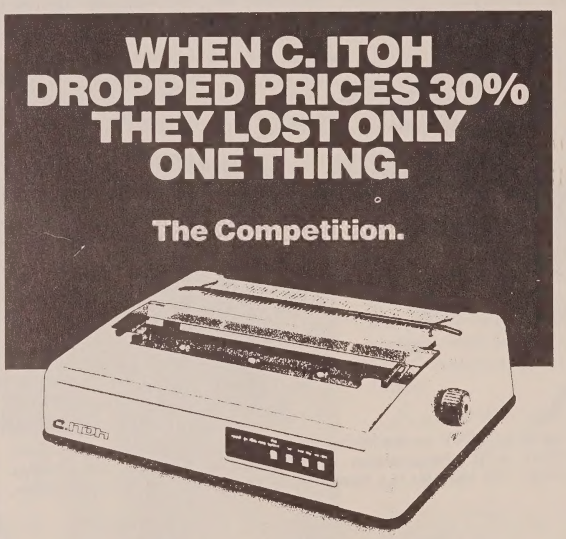

It's always been hard to find a printer that equals C. Itoh in quality, and now it's impossible to find one to equal C. Itoh in price. Because when you compare C. Itoh printers to others in their class, you'll find a savings of $80 to $1,000. And no matter what your application, you'll find a dot matrix or daisy wheel to suit your needs. The ProWriter™ dot matrix comes in speeds up to 100 lines per minute. And the StarWriter™ daisy wheel series has speeds ranging from 22 to 58 characters per second. All C. Itoh printers are PC compatible, and each comes with a full year's warranty. With C. Itoh we've always been able to give you the best quality, now we can give you the best prices as well.

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NEC Spinwriter	$4.00		
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IBM 210	$4.00		
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DISKMINDER 50 50 8" DISKETTES	REG. $29.95	SHOW $22.50

Is Your Repeater Really Coordinated?

— by Ted Wolfe, WD4KHL
WV Director

This is directed to all repeater owners and operators.

Nearly all the repeaters in West Virginia are coordinated -- many by virtue of being grandfathered in when SERA took over the job of coordination in West Virginia -- whether they are CVRA/SERA members or not. We still have s couple of machines running odd splits or operating off the bandplan. They've been that way for years. I know of only two uncoordinated machines. Hams involved in the latter have either not contacted SERA or have failed to follow through with coordination paperwork.

This is not to say we don't have some unhappiness. I am presently attempting to rectify an embarrassing situation involving T-Marc and a proposed repeater on West Virginia's highest mountain.

Sponsors of that repeater spoke with me in QSO and in person, but they failed to follow through on the paperwork and when they went on the air for tests it caused some consternation in an adjoining coordination area. We're trying to work out that situation in a friendly, cooperative fashion. But my face is red!

Another group is not pleased that we've assigned the same frequency pair clear across the state. SERA guidelines call for a 100-mile minimum separation of machines on the same pair. We are aware the complaining group operates a wide area machine on a high mountaintop and is heavily involved in public service work.

But until interference to their local operation is demonstrated I feel a separation of at least 165-miles with mountainous terrain between is sufficient. The protesters expressed concern about hams intermediate between the two repeaters using power and a beam to access one and at the same time bringing up the other. Every co-channel repeater experiences that problem from time to time. And it can be expected in instances of a band opening.

But the point I wish to make is that your repeater is coordinated only to the extent of the records we have of your machine in our files. I maintain a manual set of files with a card for each frequency pair possible showing the machines operating on that pair. I also have another card for each repeater in the West Virginia District, SERA, showing as much technical detail as I can gather. Karl Morris, WB8GDY, WV Vice Director, South, maintains another listing of repeaters in his computer at home.

Most of the information we have on file is taken from the original application for frequency coordination or from the CVRA/SERA REPEATER FULL MEMBERSHIP APPLICATION form. Many of my cards still lack a lot of detail. Even if your repeater is not a SERA REPEATER FULL MEMBERSHIP machine you should be sure that we have that information on file.

If you physically move your repeater, increase antenna height, or increase power or otherwise change or modify your installation, be sure to write me or Karl detailing those changes so that our records are complete and up-to-date and accurately reflect the status of your installation AS IT EXISTS TODAY.

Any significant change, in effect, requires re-coordination. In most cases that is accomplished simply by a letter to us outlining the changes. If, however, the change is substantial and could cause interference to an existing repeater, we'll have to notify them to permit them to comment. You may not be permitted to do as you wish without regard for your neighbor and fellow amateur.

In the event of an interference complaint we can back you up with the FCC only to the extent of the records we have in our files. If questioned about your coordination we would pull your file and outline to the Commission the coordination data you have filed with us. If you have since changed those parameters without notifying us, then, as I understand it, you would be the liable party. Your coordination records would not back up your claim if you haven't filed the latest data with us.

It may make more work for the coordination, but to protect yourself and your repeater be sure our records at all time reflect the true status of your installation.

In a separate story elsewhere in this issue I'll outline the information we'd like to have on file on each repeater operating within our jurisdiction. I'm sure all coordinators feel the same.

I recently attempted a survey and got at least one letter back marked "not known at this address." And I had taken the address from a recent callbook. Make sure we know who you are, where you are, and what you are operating.

PIKEVILLE from atop Duty's Knob at 1,560 feet. A fabulous site year round, when members of the Pikeville group go up to work on their 25-85 repeater. (Photo by Gary KB4PJQ)

Prestonsburg K4ICN Repeater

The K4ICN repeater in Prestonsburg operates on 144.69-145.29 from Brandy Keg Mountain near Prestonsburg. The machine in operation since Sept. of 1982 serves Floyd, Pike, Johnson, Martin and surrounding counties in Eastern Kentucky.

K4ICN repeater consists of a GE Mastr Pro with ACC RC-85 repeater controller, Tx-Rx duplexers and a Decibel 8-pole antenna. The repeater features a remote base, tone pad test, talking "s" meter, and an autopatch in the planning stages.

220 mhz Pikeville Almost Ready To Go

The proposed 222.98-224.58 Pikeville 220 mhz repeater is almost ready to go on the air and may be at a test site by the time you read this.

The system consists of a Maggiore Hi Pro Mk I repeater with ACC RC-850 controller, a Falcon 2114A 100 Watt amplifier, Hall Elec. 4-channel voter, Tx-Rx duplexers and a Celwave Phelps-Dodge Super Stationmaster antenna.

The new machine will be located on Flatwoods Mt. about 20 miles South of Pikeville at an elevation of 2,856 feet above sea level. A satellite receiver will be located on Duties Knob at the Pikeville 25-85 N4IXA repeater and will be linked back to Flatwoods on 440 mhz. The machine will operate under the call of Terry West, WB4F. The machine is a Full Mmember of CVRA-SERA.

VE Exams In Pikeville

The following Amateurs upgraded at recent VE sponsored exams at Pikeville, Ky. To Extra: WB4KLP and KJ4FQ. To Advanced: N4FLT and N4JPX. To General: KA4ORE. And to Technician: KB4NDB, KB4NYC, KB4OAQ, KB4OVF, KB4PEG and KB4PJQ.

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We have a limited variety of utility pole hardware and can supply utility poles in the Greensboro, N.C. area.

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Made by 3-M Co. Can be used for underwater connections also. A 15 oz. can will do 50 to 100 connections.

15-oz. can Scotchkote coating $8.00

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Plus many more kinds and sizes and strengths

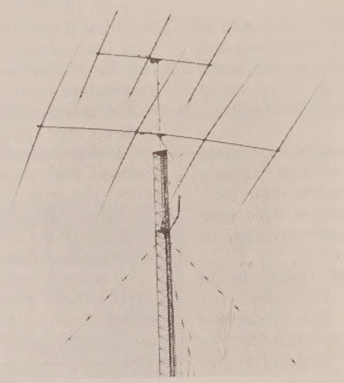
Check These Rope Specials:
BLACK TWISTED POLYPROPHELENE

Good for dipoles or overhead supports on beams at a very low cost. Lasts two or three times longer in the sun than regular poly rope.

1/4-inch	4-cents/foot
600-foot spool	16.88
1,000-foot spool	26.88
3/8-inch	8-cents/foot
600-foot spool	37.50

Hard Line and Connectors

West Antenna Service can also supply 1/2 and 7/8-inch hard line in aluminum or copper. We also have a limited stock of hard line connectors. If we do not have the connectors you need, they can be supplied within approximately 10 days.



BATTERY TAPS

Assembly provides connection to battery cable on the new side-terminal batteries, or any connection situation where terminals are not accessable. Slips over cable and set screw penetrates jacket for contact. Radio wire slipped into hole and second set screw tightens. Has proven quite adequate for high current needs.

Battery Taps .... 4.95 ea.

POLYPHASER Lightning Suppressers

High quality commercial units. Low loss, low noise. Frequency range through 1 Ghz. Bulkhead and inline types available, including rotor cable and D.C. control lines. Call for prices.

2-way shops are urged to check for Dealer Pricing.

MISCELLANEOUS

PL-259 CONNECTORS (U.S. Made)	65¢ ea.
10 or more	60¢ ea.
UG-175 or 176 ADAPTERS	30¢ ea.
10 or more	25¢ ea.

Other Tower Accessories

Aluminum mast pipes, feature 2-inch OD 6061 tubing with 1/4-inch wall.

12-foot lengths, 19 lbs. - In Stock
24-foot lengths, 38 lbs. - In Stock

Touch rust spots on your tower and antenna bolts with RUSTOLEUM, cold galvanizing.

Large 20-oz. Industrial spray can ... $6.00

Stainless Steel Strapping Kits

Stainless steel strapping kits, for strapping hard line or multiple runs of Coax. Kits come with 25, 50 or 100-feet of stainless steel strapping and buckles.

25-foot strapping kit	$18.00
50-foot strapping kit	$25.00
100-foot strapping kit	$36.00

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We have what you need — wire, fuse blocks, fuses, connectors, relays! You want your Mobile Low band or amplifier installation to work efficiently. We have the proper wire, fusing and parts needed for a perfect installation.

WIRE – Single Conductor-Stranded,
red or black vinyl insulation . .
#10 wire......30¢ per foot   #14 wire......20¢ per foot

FUSE BLOCKS – Our fuse blocks are rugged holding fuses much larger than the little 3AG glass type. This prevents overheating and voltage loss with high currents. Set screws in end of fuse blocks will accept wire up to #6.

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FUSES—5,6,7,8,10,20,25,30 Amp ....80¢ each
35,40,45,50 & 60 Amp. Fuses also available upon request.

RELAYS—These Motorola Type A style relays can be installed near the fuse block in the fenderwell and remotely switched under the dash with a small toggle switch. Excellent for switching high current lines. Relays are a closed type with screw terminals for mounting. ....Special $13.95

40-Amp cont. duty, solenoid-type, 12V 19.95
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GUY WIRE INSULATORS – Compression-type porcelin. Approx 1½x2½-inches, 3/8-inch hole
Insulators .....$2.00 each   10 or more ....$1.80 each

STEEL WIRE – Zinc coated. Can be used for antennas or light guy wire, not recommended for tower guying. Sold in 10 lb. coils only.

#9 approx. 170-ft.	$13.00
#12½ approx. 382-ft.	$13.00

14-gauge Solid Copper THHN insul.
500-ft. spool $15.00

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Amateur Support To The NWS During Hurricane Gloria

— by Dennis M. Decker
Meteorologist, NWS, Raleigh

Once again the amateur radio community came to the aid of the National Weather Service and the State of North Carolina during a time of emergency. As we in the NWS have come to expect, there is no way to fully anticipate the resourcefulness and the usefulness of amateur radio volunteers until the need actually arises.

As Hurricane Gloria took aim at coastal North Carolina on September 26, the NWS offices in Raleigh, Cape Hatteras and Wilmington called on amateur radio volunteers to set up operation centers in their offices. During Gloria they were able to solve communications and power outage problems caused by the storm as well as the man made problems of jammed phone lines in North Carolina and at the National Hurricane Center in Miami.

Amateur radio's most significant contributions to NWS operations took place at Cape Hatteras during the passage of the storm. While the base station was being operated by amateur radio volunteer Danny Prince, over 80 messages were sent or received from the Hatteras office. The most critical time was during the early morning hours of the 27th when winds gusting to 87 MPH battered the weather office and knocked out all means of telephone communication. Because of the brave and unselfish efforts of amateur radio volunteers, vital communications at Hatteras were maintained. Valuable surface observations and radar data on the location and motion of Gloria were transmitted to the NWS in Raleigh office. Descriptions of the deteriorating weather conditions were relayed to the North Carolina Emergency Operations Center in Raleigh.

When officials at the NWS Wilmington office found the phone lines to the National Hurricane Center in Miami jammed with heavy traffice, amateur radio was able to pass Wilmington's radar data to the Hurricane Center. That information assisted them in evaluating the storms behavior. Wilmington was also able to use the amateur airways to pass local hurricane statements to emergency broadcast stations, giving the public needed information on storm conditions and evacuation orders.

Each session brings a potential for weather disasters to North Carolina, whether it is tornadoes in the spring, flash floods in the summer, hurricanes in the fall or snow and ice storms in the winter. Each year we in the National Weather Service learn more and more to appreciate the association we are fortunate to have with the volunteers of amateur radio.

SERA Board to Meet In Knoxville in Jan.

The CVRA-SERA board of Directors, officers, and appointees will meet in January, probably the third weekend at Knoxville, Tennessee. Secretary Ray Adams is in charge of procurement of a meeting place, lodging facilities and meals.

Members of the board and appointees will be reimbursed for their meals and motel rooms, but they must supply their own transportation.

On the agenda will include installation of new officers for the 1986-1987 term of office.

Individual reports from the various districts will be given by the Directors. The Publications, Associate Membership, Full Membership, FCC Liaison and Technical committees will also present reports.

It is anticipated, one big thing on the agenda, will be ideas of how to increase Associate Membership, and how to get the word out throughout the territory about the organization.

Hurricane Gloria Reports From Nat'l Weather Service

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ZCZC RDUPSHHAT
TTAA00 KHAT 031406

PRELIMINARY POST STORM HURRICANE GLORIA
NATIONAL WEATHER SERVICE CAPE HATTERAS NC
949 PM EDT TUE OCT 01 1985

THE OUTER BANKS AND NORTHEASTERN NORTH CAROLINA ARE FORTUNATE TO HAVE
SUSTAINED WHAT IS DESCRIBED AN LIGHT TO MODERATE DAMAGE FROM THE NEAR
DEVASTATION HURRICANE GLORIA COULD HAVE DONE HAD SHE COME IN ON A
SLIGHTLY DIFFERENT TRACK OR ARRIVED AT HIGH TIDE.

WSO CAPE HATTERAS WIND SYSTEM NEAR THE BEACH AT CAPE POINT HAD:

A.  HIGHEST SUSTAINED WIND...TIME 0402 GMT DIRECTION (ESTIMATED) 110
    DEGREES AT 64 KNOTS.  PEAK GUST...TIME 0404 GMT SPEED...76 KNOTS
    DIRECTION...(ESTIMATED) 100 DEGREES.

    DIAMOND SHOAL LIGHT...LOCATED 120 DEGREES AND 13.8 NAUTICAL MILES
    FROM THE CAPE HATTERAS WEATHER OFFICE REPORTED AT 0500 GMT 130
    DEGREES AT 85 KNOTS WITH PEAK OF 104 KNOTS.
    WSO CAPE HATTERAS WAS IN THE EYE WITH WINDS LESS THAN 34 KNOTS
    FOR 26 MINUTES.  LOWEST WIND SPEED IN THE EYE:  8 KNOTS...AT
    0533 GMT. DIRECTION (ESTIMATED)...240 DEGREES.  HIGHEST SUSTAINED
    WIND FOLLOWING EYE PASSAGE:  TIME...0650 GMT. SPEED...48 KNOTS.
    DIRECTION (ESTIMATED) 280 DEGREES.  PEAK GUST: SPEED...71 KNOTS
    AT 0648 GMT.  DIRECTION (ESTIMATED)...270 DEGREES.

B.  LOWEST SEA LEVEL PRESSURE (IN THE EYE) AT 947.5 MB...27.98 INCHES
    AT 0536 GMT.  GREATEST 3 HOURLY CHANGE WAS 39.7 MBS RISE BETWEEN
    0552 AND 0850 GMT.

C.  TOTAL RAINFALL...2..10 INCHES FROM 9/26/85 AT 1140 GMT TO 9/27/85
    AT 0924 GMT
               GREATEST                      HOUR ENDING
              1 HOUR AMOUNT: 0.38 INCHES       0900 GMT 9/26/85
              6 HOUR AMOUNT: 0.90 INCHES       0800 GMT 9/27/85
             12 HOUR AMOUNT: 1.45 INCHES       0900 GMT 9/27/85
             24 HOUR AMOUNT: 2.10 INCHES       0924 GMT 9/27/85

D.  MAXIMUM TIDE AT FRISCO PIER 5 MILES SOUTH OF BUXTON ON 9/26/85
    BEFORE LOSING COMMERCIAL POWER MAKING THE TIDE GAUGE INOPERATIVE:
    AT 2330 GMT WAS 6.5 FEET OR 3.0 FEET ABOVE PREDICTED LEVEL OF 3.5
    FEET AND WAS 53 MINUTES AFTER THE 2237 GMT PREDICTED HIGH TIDE.
    TIDES WERE NEAR LOW WATER WHEN THE EYE PASSED.  TIDE ESTIMATED TO
    BE 6 TO 8 FEET DURING MAXIMUM SURGE.  THIS IS DIFFICULT TO
    DETERMINE SINCE SOME OCEAN OVERWASH OCCURRED WITH EVENING HIGH
    TIDE ON 9/26/85.

    SIGNIFICANT BEACH EROSION WAS OBSERVED ON OCRACOKE AND HATTERAS
    ISLANDS AND RANGED FROM MODERATE TO SEVERE.  THE WORSE IS BELIEVED
    TO BE NORTH END OF OCRACOKE ISLAND WHERE A 6 FOOT DUNE. NEWLY
    RESTORED IN 1984-85 WAS SPREAD 3 FEET DEEP OVER A 2 TO 3 MILE
    SECTION OF HIGHWAY 12.

    AVERAGE DUNE LOSS WAS ESTIMATED AT 5 TO 8 FEET ON HATTERAS ISLAND
    SOUTH OF RODANTHE WITH GREATEST LOSS SOUTH OF CAPE POINT NEAR
    BUXTON.  NO KNOWN STRUCTURAL DAMAGE FROM OCEAN ACTION OTHER THAN
    WEAKENED FISHING PIERS.

    SEVERE SOUND SIDE FLOODING FOLLOWED EYE PASSAGE:  ESTIMATES RANGE
    FROM 3 TO 5 FEET ON OCRACOKE ISLAND AND SOUTH OF BUXTON TO HATTERAS
    VILLAGE TO 5 TO 8 FEET NEAR AVON THEN TAPERING TO 3 TO 5 FEET NORTH
    TO THE BODIE ISLAND LIGHTHOUSE AREA JUST NORTH OF THE OREGON INLET
    BRIDGE.  THERE WAS MINOR SOUND SIDE FLOODING OF LOW LYING AREAS
    OF ROANOKE ISLAND AND MAINLAND DARE AND HYDE COUNTIES.
    THE PAMLICO SOUND WENT DRY ON THE OURTER BANKS SIDE AS THE EYE
    APPROACHED.  FLOODING BEGAN WITHIN MINUTES OF THE WIND SHIFT.

    ONLY ABOUT 30 OF 300 HOMES IN THE OLDER SECTION OF THE VILLAGE
    OF AVON DID NOT HAVE FLOOD WATERS ABOVE FLOOR LEVEL WITH AT LEAST
    ONE GROUND LEVEL HOME (POSSIBLY IN LOWER ELEVATION) HAVING WATER
    LINE ONLY 18 INCHES BELOW A EIGHT FOOT CEILING.  A NUMBER OF THESE
    HOMES WILL BE A TOTAL LOSS AND MANY SUFFERED FOUNDATION DAMAGE.


G.  TORNADO REPORTED AROUND 0100 GMT 9/26/85 IN HYDE COUNTY 2 MILES
    EAST OF RIVERSIDE CAMP GROUND AT INTERSECTION OF HIGHWAYS 264 AND
    45.  ANOTHER WAS NOTED NEAR POZER IN HYDE COUNTY A LITTLE EARLIER.

H.  NO DEATHS REPORTED AND NO KNOWN SERIOUS INJURIES FROM GLORIA IN
    THE COUNTY WARNING AREA AT THIS TIME.  EVACUATION RESPONSE WAS
    EXCEPTIONAL WITH ONLY ABOUT 1 IN 10. OR 80 TO 100  CHOOSING TO
    STAY ON OCRACOKE.  350 TO 400 REMAINED OF NEARLY 6000 ON HATTERAS'
    ISLAND IN DARE COUNTY.  THE ORDERED EVACUATIONS FOR BOTH ISLANDS
    AND THE NORTHERN PART OF DARE WERE STAGED IN A TIMELY AND EFFECTIVE
    MANOR WITH AS LITTLE CONFUSION AS COULD BE EXPECTED FOR SUCH A FAST
    MOVING STORM.  ESTIMATES ARE HIGH ALSO FOR CURRITUCK AND HYDE AND
    AND THE REST OF DARE COUNTIES WITH MANY MOVING WELL INLAND AWAY
    THE COAST IN PLENTY OF TIME.  VOLUNTARY EVACUATION THROUGH OUT
    OTHER INLAND COUNTIES OF THE PAMLICO AND ALBEMARLE FLOOD PLAIN
    RESPONDED WELL WITH GOOD SHELTER OCCUPANCY NOTED.

    THE CONCERTED EFFORT ON THE PART OF EMERGENCY MANAGEMENT AT THE
    STATE AND PARTICULARLY AT THE AREA AND LOCAL LEVEL DURING THE
    PAST FEW YEARS UNQUESTIONABLY SAVED LIVES.

    RESOLVING THE PROBLEMS OF COMMUNICATIONS AND COMMERCIALLY POWERED
    SYSTEM FAILURES INCLUDING KEY COMMERCIAL RADIO STATION WITHOUT
    EMERGENCY GENERATORS IS ESSENTIAL.  BOTH TELCO AND POWER COMPANIES
    DID WELL. WITH WSO CAPE HATTERAS LOOSING COMMERCIAL POWER AT 0020
    GMT ON 9/26 WE HELD COMMUNCATIONS LINES UNTIL 0800 GMT ON 9/27/85.
    THIS FAR EXCEEDED OUR EXPECTIONS.  AMATEUR RADIO WAS THERE THROUGH
    THE ENTIRE EVENT.

    DEMAURICE.
    WSO CAPE HATTERAS
    NORTH CAROLINA
```

Foundation Scholarships Announced

The FOUNDATION FOR AMATEUR RADIO is pleased to announced the 1985 winners of the nineteen (19) scholarships which it administers.

John W. Gore Memorial Scholarship - $900. James H. Baker, KI4YN - Alexandria, VA.

Richard G. Chichester Memorial Scholarship - $900. Eugene S. Reilly, KA8JIG - Cincinnati, OH.

Edwin S. Van Deusen Memorial Scholarship - $350. Richard K. Soper, KA2IKV - Syracuse, NY.

QCWA Memorial Scholarships - $600 each. Francis P. Horan, KA3CJR - Drexel Hill, PA; Hai T. Nguyen, KA0ALZ - Colorado Springs, CO; Carl H. Puckett, KA7BWC - Great Falls, MT.; David J. Schmocker, KJ9I Oconomowoc, WI.; and John G. Sullivan, N2DYCA - Haddonfield, NJ.

QCWA Robert S. Cresap Memorial Scholarship - $500. Douglas Swiatlowski, KA2KMT Camillus, NY;

Radio Club of America Scholarship - $500. James W. Healy, NJ2L - West Hurley, NY;

Edmund B. Redington Memorial Scholarship - $500. David Swiatlowski, KA2KLM, Camillus, NY.

Young Ladies' Radio League Scholarship - $500. Diane E. Willemin, N8CAY - Elyria, OH.

Amateur Radio News Service Scholarship - $500. Michael Krensavage, KA3CUP - Marietta, GA.

Columbia (MD) Amateur Radio Association Scholarship - $650. Christine L. Gray, KA3NAK - Elkton, MD.

Baltimore (MD) Amateur Radio Club Scholarship - $500. Eric J. Smith, KA3KJO - Silver Spring, MD.

Dade Radio Club Tropical Hamboree Scholarships - $500 each. Christopher A. Atkins, KA2QWC - Fort Pierce, FL; and David R. German, N4FAD - Sarasota, Fl.

Lewis W. Wilkinson Memorial Scholarship - $500. Wayne F. Poole, KC4XL - Surfside, FL.

These scholarships were open to all Radio Amateurs meeting the qualifications and residence requirements of the various sponsors. The FOUNDATION is a non-profit organization representing fifty clubs in Maryland, the District of Columbia and Northern Virginia. It is devoted exclusively to the scientific, literary and educational pursuits that advance the purposes of the Amateur Radio Service.

Announcement of the 1986 awards will appear in the April or May issues of the major amateur radio publications. Additional information regarding the FOUNDATION'S Scholarship program can be obtained from FAR Scholarships, 6903 Rhode Island Avenue, College Park, MD 20740.

"Wireman" Moving South

CERTIFIED COMMUNICATIONS is pleased to announce the realization of their long-planned move to South Carolina.

The ex-Michigan business is scheduled to be operational December 1, 1985 in the new location in the Smoky Mountains 30 miles north of Greenville, SC, just north of Hwy. 11 at Hwy. 101, back in the hills.

Press Jones, N8UG (The "Wireman") and his wife Ginny, deal primarily in wire and cable in addition to antennas and CB to 10 meter and 12 meter conversions.

The business is primarily mail order beyond appearances at 40 or more hamfests yearly, but hams in the area are invited to drop in for an "eyeball" with prior notice.

(Editor's Note: Welcome to the South - Press and Ginny!)

SANTEC

WILLIAMS HAS A FABULOUS DEAL FOR YOU!
Buy the Santec ST-200 or ST-400 "ET"

FREE! Speaker Mic
FREE! Leatherette Case
FREE! Extra battery pak
FREE! Cig. Charge Cable
FREE! UPS Brown Shipping

ST-200ET
2-Meters
$199.00

SORRY NO CREDIT CARDS!

ST-400ET
440Mhz
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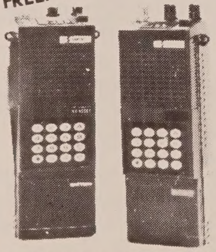

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Dekalb ARES, Inc. Active In Georgia

The Dekalb Amateur Radio Emergency Service, Inc. was organized in June of 1984 and has continued to grow into a well rounded club dedicated to assisting with the emergency communications of Dakalb County, Ga. whenever needed. D.A.R.E.S., Inc. operates a Motorola Repeater on the frequency of 144.75/145.35 Mhz located in Decatur, Georgia. We do not have a membership fee but instead derive our resources from an annual fund raising project. Meetings are held on the fourth Thursday of each month.

We are registered as a non-profit club and support other non-profit clubs with the same goals as ourselves. We hold a charter of incorporation in the State of Georgia.

We have been a member of CVRA/SERA since the beginning and were very happy to vote to make Georgia a District. I know we can count on CVRA/SERA and they can count on our support.

Pictured above are the Officers of the Dekalb Amateur Radio Emergency Service, Inc. From left to right: Jerry Hopper, WB4CPL, Vice-Chairman and Station Trustee; Darthy Messex, N4KRP, Secretary-Treasurer; Dave Messex, N4AQV, Chairman; and Dennis Rodgers, KA4VHP, Repeater Manager.

The Altomont ARC 220 Machine Back In Operation

— by Steve Carman AJ4N

The Altamont Amateur Radio Club of Easley, S.C. is glad to announce the return to operation of the 222.46 / 224.06 MHZ repeater. The repeater was removed from operation to facilitate an overall upgrade. The repeater is still located atop Sassafras Mountain in northern Pickens County. The previous call sign of KJ4X has been replaced with the callsign AJ4N.

The repeater is composed of the following equipment. The receiver and transmitter are both part of a Midland 13-509 220MHZ transceiver. The duplexer is a 4 cavity DB Products model. The antenna system features a 7db gain omni-directional antenna by Hustler, and is feed with 7/8 inch hardline. The controller is a homebrew micro-computer unit that features courtesy beep and watch dog functions. An anti-kerchunker system is also included in the software/hardware.

Future plans include increasing the antenna height by about 15 feet. This will help local amateurs who live close in, in the shadow of the mountain. At present, an ARR gasfet preamp is being utilized with very good results on the primary receiver.

Reports and tests have shown that the primary coverage area of the repeater is within a radius of 50 miles. All amateurs are invited to use and enjoy the repeater. Come join us on 220.

CVRA-SERA OFFICER NOMINATION FORM

To CVRA-SERA Secretary:

The below named person(s) are nominated to office(s) listed below. The persons nominated have been contacted and have expressed a desire to serve if elected. The nominee is a FULL MEMBER of CVRA-SERA and is eligible to hold office in the organization. It is understood that this nomination from the floor, signed by myself and three other full members will be added to the nominating committee's list of nominees. If this nomination is the only one submitted for this office, that person shall be elected to the office. If more than one is nominated for any one office, an election will be held by written ballots mailed to every full member of CVRA-SERA.

Office person is nominated for ______________________________
President, Vice-President, Secretary or Treasurer

If more than one nominee, use xeroxed copy or simular sheet of paper.

Name of nominee ______________________ Call ______________

Address ________________________________ Phone ________

Is A representative of ______________________ repeater (a full member)
(Call-City-Freq)

Person has been contacted and has agreed to serve to best of his ability if elected to the office nominated ( ) Yes

Include brief Biographical sketch of nominee and his achievements in Amateur Radio and /or CVRA-SERA. (Use separate sheet of paper)

This nomination certified by me ______________________ Call ________

member of repeater ________________, a full member of CVRA-SERA.

Three other full members:

______________________ call __________ repeater __________

______________________ call __________ repeater __________

______________________ call __________ repeater __________

Other full members must sign their signature personally.

Mail this form with attached biography to arrive NO later than November 30, to:
NITA MORGAN, CVRA-SERA SECRETARY, 1504 Woodnymph Trail, Lookout Mt., Tn. 37350

Tennessee Tidbits

— by Tom Park, WD4KWP[1]

First off I would like to apologize for slow paper work out of here the last 2 months. I've been working 14 hour days for the past few weeks trying to meet the deadlines set by the state electrical inspector. (The state is forcing all the docks & marinas in this area to rewire.) I'm almost finished with the major parts of that mess. (that is IF the State does not change its mind again!)

• • • •

I would like to thank several people & their repeater groups for helping to straighten out some problems on the bands. There are 3 repeater groups in west Tennessee that had machines that conformed to the old band plan by being inverted. They have recently flipped right-side-up to match the present plan. They have reported that the only real problems are from other machines to the north that are still up-side-down. Thanks to WB4EDS, NO4Q & WA4ZQX! Also, I would like to say a special thanks to Charlie Curle, AD4F. In July he and the Chattanooga A.R.C. took note of how many of machines in the area had little or no use and decided that they would remove one of their units. If you had wondered what happened to the 145.33 machine now you know.

• • • •

It would be nice if other repeater groups in all the metropolitan areas would consider doing likewise. The rural towns are crying for frequencies but most of the time it's hard to find one for them.

• • • •

In other news, I am glad to report that Matt Kirby's 2m machine is back up to full coverage again after having to replace the antenna system because of wind damage. Also WA4GZE's 145.37 machine is sporting a new antenna and a battery backup power system. It sounds like things are shaping up for the winter in Knoxville.

• • • •

As you can see I have some news about what is going on in the state but if you don't see any about your area, that is because you have not given me any. Please look over the repeater listings. If you find a discrepancy, TELL ME! I would like to fix it.

• • • •

By the time you read this I will have gained a new assistant. Her name is Sandy and as of October 12 my wife. She has been helping with coordinations for some time now. If you need to call and a YL answers, go ahead and explain the problem to her. She will be glad to pass it on to me.

Post 73 Explorers Wet, Chilly, Cold, Happy

Explorer Post 73, sponsored by the Forsyth Amateur Radio Club (Winston-Salem, N.C.), was one of the eleven Old Hickory Council, Boy Scouts of America, explorer posts canoeing down the New River on September 14th.

The sixty-nine explorers and adult advisors put thirty-five canoes in the river between Obids and Idlewilde and canoed about six hours to Elk Shoals, a Methodist conference center near Glendale Springs. The group spent a night of good hot showers, good food, good fellowship, and good sleep at Elk Shoals Lodge. Sunday, the contingent wended its way home by way of a stop to see the frescoe of the Last Supper at Holy Trinity Church in Glendale Springs.

Post 73 members on the trip included Gwyn Armfield (KA4SJV), Bobby Stitcher (KB4MZV), Jaime Burcham (KB4MZU), Keith (KB4DJU), Marcia (KB4ECQ), and Holli (KB4AKM) Nelson.

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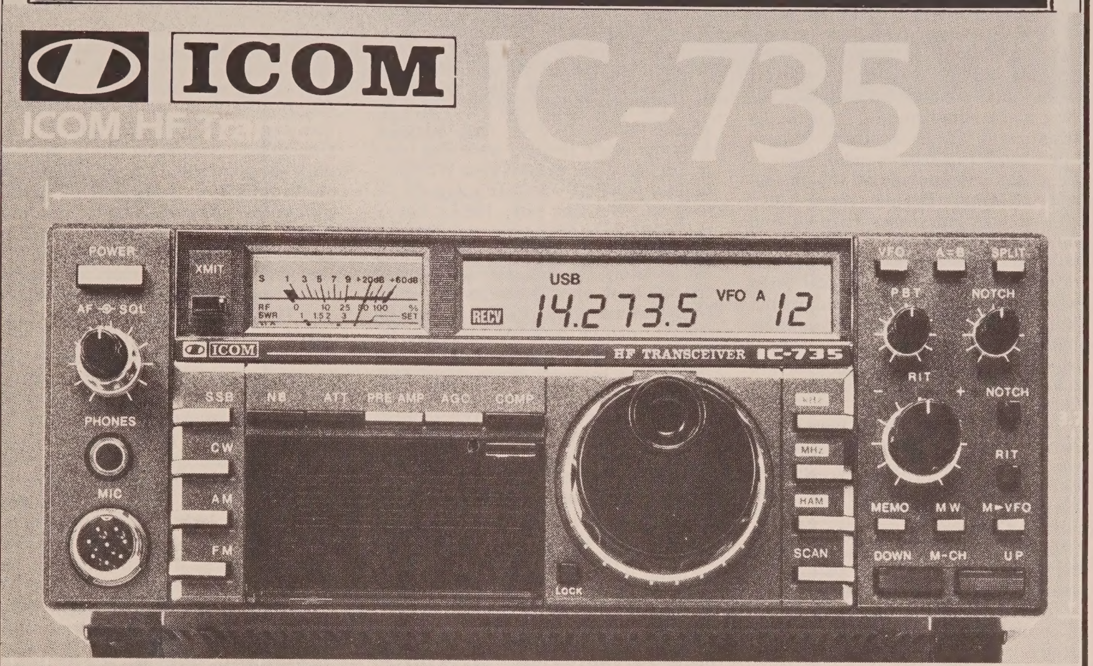

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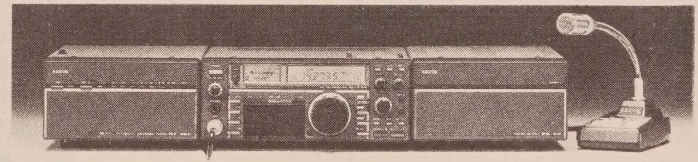

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Packet Radio In The State Of Georgia

— by Bill Crews, WB2CPV

For those of you that don't know, there has been a communications explosion in the state of Georgia and it is called packet radio! Last September there was a small group of hams in the Atlanta area that got together to discuss a new mode in amateur radio. Some of the group were already on the air and experimenting. During those early days, it was sometimes hard to find somebody to talk to. At their first meeting, the topics of discussion included constructing a local area network and establishing additional digipeaters. Little did this group know that one year later there would be a network in place that linked Alabama to Virginia and Tennessee to the tip of Florida.

I entered the packet picture in Georgia this January after having a brief exposure to the fast moving operations in Florida. I had heard that there was a packet group in Atlanta called GRAPES (Georgia Radio Amateur Packet Enthusiast Society) and that they were looking for volunteers to help on several projects. By the end of my first meeting I wound up becoming the newsletter editor and public relations chairman. The enthusiasm of this group was quite impressive.

Some of the first hams in the Atlanta area on packet radio were: John KF4JJ, Eric N4CI, Joe K4IHP and Doug KD4NC. The first actual packet QSO in the Atlanta area took place between Eric N4CI and John KF4JJ on December 2, 1983 using a voice repeater in Conyers, Georgia. As I said in the beginning, there weren't to many people to talk to, especially without a digipeater. In May of 1984, the first digipeater in Georgia was established by the courtesy of Sam Osborne KE4FT, who donated the use of his repeater (146.13/73). The conversion of this machine to packet was performed by Doug KD4NC and Sam. You can imagine what the folks who used to know 13/73 as a voice machine must think now hearing these weird noises passing through it! "Hey buddy, there is something wrong with your repeater!" Then came the task of informing the masses about this new, exciting mode. Several of the early pioneers set off to do demos at area club meetings and hamfests. By the September meeting of GRAPES, there were about 15 hams who were either on the air or had TNCs on order. The first simplex digipeater in Georgia appeared on Sawnee Mountain, northeast of Atlanta in the fall of 1984. Its call was WB4GQX-1 after the owner Dennis WB4GQX. This second high site digipeater in the Atlanta area opened a whole new world to packeteers. It was now possible to link into other areas of Georgia and the southeast using the popular packet frequency of 145.01.

The hams in Atlanta were not alone in their growth. Two very energetic hams in south Georgia were also busy on packet. They were Wayne WD4LYV and Larry KF4JF who both got on the air around October of 1984. Larry established the first digipeater in south Georgia, KF4JF—1 in Adel. Immediately, the idea came to Wayne to try and hook up with the packeteers in the Atlanta area and possibly extend the then primative network into Florida. The very first north-south Georgia QSO took place between Wayne and Eric N4CI in Atlanta. Surely that was a momentous occasion for both groups. However, Wayne was not satisficied with letting things stand still, so he pressed on to the south and tried to connect to some of the amateurs in Jacksonville, Fl. The first Georgia-Florida QSO was between Wayne and Bob WB4BIW in Jax. Early this year as the ranks grew in southern Georgia, the hams formed a group now known as SAPS (Southern Amateur Packet Society). Today they have 13 active members. Wayne was very instrumental in establishing a link from Atlanta into Florida by using his personal station as a digipeater. His contributions have definitely been above and beyond the call of duty.

Where is packet radio today in Georgia? The most current information I have is as follows: 12 high site digipeaters, 5 WORLI BBSs, 1 custom PBBS, 2 VHF/HF gateways, 4 separate regional LANs, and approximately 125 active packeteers. Not bad for about 10 months growth. Where is packet going in Georgia? The sky is the limit. Plans are presently underway to interlink the high site digipeaters on UHF to take some of the burden off 145.01. Two-port digipeaters are being tested to supply access to the regional LANs from the network. There are also many other areas of endeavor Georgia packeteers are following. One clever fellow in Columbus, Buck K4ABT is experimenting with hi-resolution picture transmission via packet. His techniques were demonstrated to an interested group of hams at the first SOUTHNET conference held in Florida this summer. Others are working on satellite gateways to prepare us for the launch of the Japanese and American packet satellites. The list of projects is endless.

This unprecedented growth is not only happening in Georgia but all over the southeast. In order to harness this growth and make it more constructive, SOUTHNET was formed in June of this year at a conference held in Gainesville, Fl. The concept of the organization is to have representatives from each member state (Alabama, Florida, Georgia, North Carolina, South Carolina, Mississippi, Tennessee) 1) assist in establishing guidelines, 2) the coordination of packet frequencies, and 3) the building of the network. The second meeting of SOUTHNET will be this November 23 & 24 at Georgia Tech here in Atlanta. Hopes are that this will be THE packet meeting in the southeast for this year. We have already received commitments from some prominent hams in the packet community to attend the conference.

I would like to thank Repeater Journal for giving me this opportunity to bring you up-to-date on packet happenings in the Peach State, and invite everyone to the SOUTHNET II conference in November.

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	HUMBOLDT	TN
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	MARION	VA
	RICHMOND	VA
	BUCKHANNON	WV
	HUNTINGTON	WV
6.055/6.655	CONCORD/KANNAP.	NC
	ELIZABETH CITY	NC
	SIGNAL MT	TN
	ALEXANDRIA	VA
	ALTAVISTA	VA
6.06 /6.66	MACON	GA
6.07 /6.67	HAZARD	EKY
	GAINESVILLE	GA
	JESUP	GA
	BURLINGTON	NC
	CHERRY MT	NC
	MT PLEASANT	SC
	BRISTOL	TN
	COOKEVILLE	TN
	LAFOLLETTE/WMT	TN
	NASHVILLE S.W.	TN
	BARREN SPRINGS	VA
	LEXINGTON	VA
	WILLIAMSBURG	VA
	RAVENSWOOD	WV
6.085/6.685	ADAIRSVILLE	GA
	FAYETTEVILLE	GA
	GRIFTON	NC
	STATESVILLE	NC
	NEWBERRY	SC
	WAVERLY	TN
	VIENNA	VA
6.10 /6.70	GRAYSON	EKY
	ALBANY	GA
	JASPER	GA
	MILLEDGEVILLE	GA
	SAVANNAH	GA
	DUNN	NC
	GREENVILLE	SC
	LANCASTER	SC
	FRAYSER	TN
	MANCHESTER	TN
	DANVILLE/WHT OAK	VA
	DUFFLD/POWLL MT	VA
	NORFOLK	VA
	STAUNTON	VA
	RAVENSWOOD	WV
6.115/6.715	RINGGOLD	GA
	SPRING LAKE	NC
	BLACKSBURG	VA
	STERLING	VA
	GASSAWAY	WV
	SHERRARD	WV
6.12 /6.72	ST ALBANS/COAL	WV
6.13 /6.73	LOUISA	EKY
	ALBANY	GA
	BRUNSWICK	GA
	COLUMBUS	GA
	MARIETTA	GA
	SWEAT MT	GA
	RALEIGH	NC
	SALISBURY	NC
	WILMINGTON	NC
	N. AUGUSTA	SC
	SIMPSONVILLE	SC
	KNXVL/ENG MT	TN
	LEBANON	TN
	MEMPHIS	TN
	HAMPTON	VA
	ALDERSON	WV
6.145/6.745	DILLON/PEE DEE	SC
	DYERSBURG	TN
	ROANOKE/POOR MT	VA
6.16 /6.76	STONE MTN	GA
	VALDOSTA	GA
	ASHVL/MT PISGAH	NC
	GREENSBORO	NC
	SWANSBORO	NC
	WILSON	NC
	CHARLESTON	SC
	FT JACKSON	SC
	NASHVILLE	TN
	CHARLOTTESVILLE	VA
	FOREST	VA
	HUNTINGTON	WV
	MORGANTOWN	WV
	WHEELING	WV
6.175/6.775	MARIETTA	GA
	CHARLOTTE/RTTY	NC
	ELIZABETHTOWN	NC
	PULASKI/MUS MT	TN
	WYTHEVILLE	VA
6.19 /6.79	PIKEVILLE	EKY
	FOLKSTON	GA
	MOULTRIE	GA
	NEWNAN	GA
	SWAINSBORO	GA

REPEATERS BY FREQUENCY CONTINUED

	CLINTON	NC
	SAURATOWN MT	NC
	ANDERSON/SAS MT	SC
	CHARLESTON	SC
	CHATTANOOGA	TN
	JOHNSON CITY	TN
	NASHVILLE	TN
	CHESAPEAKE	VA
	FAIRFAX	VA
	OAK HILL	WV
6.205/6.805	MILLEDGEVILLE	GA
	FAYETTEVILLE	NC
	GASTONIA	NC
	COVINGTON	VA
7.405/6.805	MAGGIE VALLEY	NC
6.22 /6.82	ALBANY	GA
	ATLANTA	GA
	LYONS	GA
	ROARING GAP	NC
	WILMINGTON	NC
	GRNVLE/PARIS MT	SC
	LAKE CITY	TN
	MEMPHIS	TN
	WINCHESTER	TN
	WINCHESTER	VA
	CHARLESTON	WV
	CLARKSBURG	WV
6.235/6.835	HAMPTON	GA
	ASHEVILLE	NC
	NAGS HEAD/BODIE	NC
	WADESBORO	NC
	HAZEL MT	VA
7.435/6.835	HIGH POINT	NC
6.25 /6.85	PIKEVILLE	EKY
	DALLAS	GA
	LAGRANGE	GA
	WARNER ROBINS	GA
	GOLDSBORO	NC
	HICKORY/BRT. MT	NC
	REIDSVILLE	NC
	FLORENCE	SC
	LAURENS	SC
	GTLBG/COVE MTN	TN
	MEMPHIS	TN
	NASHVILLE	TN
	PORTSMOUTH	VA
	STAUNTON	VA
	BKLY/FLAT TOP MT	WV
	BUCKHANNON	WV
6.265/6.865	FAYETTEVILLE	TN
7.465/6.865	WAXHAW	NC
6.28 /6.88	PRESTONSBURG	EKY
	COLUMBUS	GA
	MARIETTA	GA
	QUITMAN	GA
	SAVANNAH	GA
	RALEIGH	NC
	SHELBY	NC
	COLUMBIA	SC
	BRISTOL	TN
	MEMPHIS	TN
	NASHVILLE	TN
	OAK RIDGE	TN
	BRISTOL	VA
	RICHMOND	VA
	SALEM	VA
	CHARLESTON	WV
6.295/6.895	MADISON	NC
	WAXHAW	NC
6.30 /6.90	FAIRMONT	WV
6.31 /6.91	MOREHEAD	EKY
	CLEVELAND	GA
	GRIFFIN	GA
	AHOSKIE	NC
	ASHVL/SPIVEY MT	NC
	FAYETTEVILLE	NC
	LEXINGTON	NC
	WHITE HALL	SC
	SAVANNAH	TN
	SHORT MTN	TN
	FARMVILLE	VA
	JONESVILLE	VA
	MT. LK/BALD KNB	VA
	TYSONS CORNER	VA
	FAIRMONT	WV
	MCMECHEN	WV
	RIPLEY	WV
6.325/6.925	ROCK HILL	SC
	CHARLOTTESVILLE	VA
	DANVILLE(DCC)	VA
6.34 /6.94	ASHLAND	EKY
	AUGUSTA	GA
	ROME	GA
	WRIGHTSVILLE	GA
	BURGAW	NC
	CHARLOTTE	NC
	DURHAM	NC
	MANTEO	NC
	MT AIRY-RTTY	NC
	GREENVILLE	SC
	KNOXVILLE	TN
	MEMPHIS	TN
	NASHVILLE	TN
	HAMPTON	VA
	RICHMOND	VA
	ROANOKE	VA
	NEW MARTINSVLLE	WV
	RICHWOOD	WV
	WEIRTON	WV
6.355/6.955	ROCKINGHAM	NC
6.37 /6.97	ATLANTA	GA
	SAVANNAH	GA
	MT AIRY	NC
	SMITHFIELD	NC
	ANDERSON	SC
	FLORENCE	SC
	ALTAMONT	TN
	KNGSPT/BAYS MT	TN
	MEDINA	TN
	OAK RIDGE	TN
	MANASSAS	VA
	STAUNTON	VA
	VIRGINIA BEACH	VA
	LOGAN/WARD RK MT	WV
	PARKERSBURG	WV
6.385/6.985	AUGUSTA	GA
	PRESTON	GA
	ALBEMARLE	NC
	OLD FORT	NC
	ROANOKE/POOR MT	VA
6.40 /7.00	ATLANTA	GA
	HIGH POINT	NC
	JACKSONVILLE	NC
	MARION	SC
	PICKENS	SC
	MEMPHIS	TN
	SUFFOLK	VA
	ST ALBANS	WV
7.60 /7.00	ELKHORN CITY	EKY
	HIGH POINT	NC
	BLOUNTVILLE	TN
	CHATT/SIGNAL MT	TN
	CLARKSVILLE	TN
	TERRA ALTA	WV
7.615/7.015	CLEVELAND	GA
	WARNER ROBINS	GA
	LK NORMN/CLT	NC
	SUMTER	SC
	NASHVILLE	TN
	UNION CITY	TN
	FREDRICKSBURG	VA
6.43 /7.03	ROCK HILL	SC
	LEXINGTON	TN
	MILLINGTON/NB	TN
	RICHMOND	VA
7.63 /7.03	ATLANTA	GA
	ATLANTA	GA
	GREENSBORO	NC
	ROANOKE RAPIDS	NC
	BARNWELL	SC
	MYRTLE BEACH, N	SC
	FAYETTEVILLE	TN
	MEMPHIS	TN
	MORRISTOWN	TN
	WAYNESBORO	VA
	MULLENS	WV
	ST MARYS/BENS R	WV
6.445/7.045	FAYETTEVILLE	NC
	HOPE MILLS	NC
	ROBBINSVILLE	NC
	YOUNGSVILLE	NC
	ARLINGTON	VA
7.645/7.045	METTER	GA
	STATSVL/ASBRY MT	NC
	LEBANON	TN
	RADFORD	VA
	STAUNTON/EL. KB	VA
	VIRGINIA BEACH	VA
6.06 /7.06	MADISON	WV
6.46 /7.06	COHUTTA-RTTY	GA
	CHARLOTTE	NC
	MEMPHIS	TN
	SOUTH BOSTON	VA
	PRINCETON	WV
7.66 /7.06	MACON	GA
	ROSWELL	GA
	THOMASVILLE	GA
	MACO	NC
	SUMTER	SC
	GRNVLE/GRYSTN	TN
	SHELBYVILLE	TN
	CHESTERFLD CO	VA
	POINT PLEASANT	WV
6.475/7.075	BURLINGTON	NC
7.675/7.075	LANIER MT/SNLV	GA
	BURLINGTON	NC
	GOOSE CREEK	SC
	KNOXVILLE	TN
	WAYNSBR/AFTON MT	VA
7.69 /7.09	PAINTSVILLE	EKY
	ST SIMONS ISL	GA
	GREENVL/ESTN NC	NC
	ORANGEBURG	SC
	SPARTANBURG	SC
	SPARTA/BON AIR	TN
	GALAX/BRIRP MT	VA
7.705/7.105	ATLANTA	GA
	BLAIRSVILLE	GA
	MARION/BEAR WLW	NC
	MONROE/UCARS	NC
	BEDFORD	VA
6.09 /7.11	LOGAN	WV
7.72 /7.12	WINCHESTER	EKY
	AUGUSTA	GA
	CEDARTOWN	GA
	GAST/SPCR MT	NC
	ROCKY MOUNT	NC
	MYRTLE BEACH	SC
	MEMPHIS	TN
	OAK RIDGE	TN
	CULPEPPER	VA
	BRIDGEPORT	WV
	DUNBAR	WV
7.735/7.135	DALTON	GA
	VALDOSTA	GA
	BREVARD/TRNS CTY	NC
	CHERAW	SC
	ALAMO	TN
	GALAX/FRIES	VA
	RICHMOND	VA
7.745/7.145	MT. STERLING	EKY
7.75 /7.15	ALBANY	GA
	CUMMING/SAWNEE	GA
	MORGANTON	NC
	RALEIGH	NC
	MONCKS CORNER	SC
	SIMPSONVILLE	SC
	MEMPHIS	TN
	NASHVILLE	TN
	OAK RIDGE	TN
	TAZEWELL	VA
	ST ALBANS/COAL	WV
7.765/7.165	HIGH POINT	NC
	GREENWOOD	SC
	NEWPORT NEWS	VA
	WARRENTON	VA
7.78 /7.18	AUGUSTA	GA
	BALDWIN	GA
	SYCAMORE	GA
	SANFORD	NC
	WILMINGTON	NC
	FT MILL/CAROWND	SC
	GOOSE CREEK	SC
	CLEVELAND	TN
	MEMPHIS	TN
	NASHVILLE	TN
	DUBLIN	VA
	PETERSBURG	VA
	LEON	WV
7.795/7.195	ATLANTA	GA
	LAKE TOXAWAY	NC
	LYNCHBURG	VA
7.81 /7.21	DALTON	GA
	ROSSVILLE	GA
	STATESBORO	GA
	GREENSBORO	NC
	WHITEVILLE	NC
	LITTLE MT.	SC
	COOKEVILLE	TN
	JACKSON	TN
	MCLEAN	VA
	WISE/HIGH KNOB	VA
7.825/7.225	HILLSBOROUGH	NC
	MORRISTOWN	TN
	YORKTOWN	VA
7.84 /7.24	ASHLAND	EKY
	IRWINTON	GA
	CARTHAGE	NC
	EDEN/MAYODAN	NC
	FOREST CITY	NC
	FRANKLIN	NC
	LANCASTER	SC
	PROSPERITY	SC
	GALLATIN	TN
	MEMPHIS	TN
	PETERSBURG	VA
	WOODBRIDGE	VA
7.855/7.255	ATLANTA	GA
	ASHEBORO	NC
	HENDSVL/STONE MT	NC
	ACCOMAC	VA
	MARTINSBURG	WV
7.885/7.255	DONELSON	TN
7.87 /7.27	PIKEVILLE	EKY
	AMERICUS	GA
	BUFORD	GA
	BENSON	NC
	WAYNESVILLE	NC
	CHARLESTON	SC
	SENECA/LONG MT	SC
	GALLATIN	TN
	JOHNSON CITY	TN
	GUM SPRING	VA
	SCOTT DEPOT	WV
7.885/7.285	ASHBURN	GA
	ATLANTA	GA
	AIKEN	SC
	ROCKY SPUR	SC
	PIKEVILLE	TN
	MARTINSVILLE	VA
7.90 /7.30	MACON	GA
	SVR CRK/MT ALTO	GA
	JACKSONVILLE	NC
	LUMBERTON	NC
	TUCKASEGEE	NC
	CHARLESTON	SC
	KNOXVILLE	TN
	MEMPHIS	TN
	NASHVILLE	TN
	FRANKLIN	VA
	LEXINGTON	VA
	WINCH/BLUEMONT	VA
	HARRISVILLE	WV
	HUNTINGTON	WV
7.915/7.315	YNG HRRS/RCKY TP	GA
	UNION CROSS	NC
	HENDERSONVILLE	TN
	ALEXANDRIA	VA
	CLARKSBURG	WV
7.92 /7.32	GRUNDY	VA
7.93 /7.33	LAGRANGE	GA
	TOCCOA	GA
	FAYVLLE/FT BRAGG	NC
	LENOIR/HIBRITN	NC
	COLUMBIA	SC
	COVINGTON	TN
	CROSSVILLE	TN
	NASHVILLE	TN
	LEXNGTN/COLE MT	VA
	WARSAW	VA
7.94 /7.34	ATLANTA/SWEAT MT	GA
7.945/7.345	LYNCH/BLACK MT	EKY
	SHELBY	NC
	WASHINGTON	NC
	HENDERSONVILLE	TN
	GATE CITY	VA
	FRANKLIN	WV
7.95 /7.35	DANVILLE	VA
7.96 /7.36	DOUGLASVILLE	GA
	DUBLIN	GA
	BOONE/RICH MTN	NC
	LUMBERTON	NC
	KNXVL/CROSS MT	TN
	MEMPHIS	TN
	NASHVILLE S.	TN
	PARIS	TN
	CHESTERFIELD	VA
7.97 /7.37	AUGUSTA	GA
7.975/7.375	BURNSVILLE	NC
	GREENVILLE	NC
	GEORGETOWN	SC
	HILLSVILLE	VA
	LYNCHBURG	VA
	NEWPORT NEWS	VA
	GRAFTON	WV
	ST ALBANS	WV

REPEATERS BY FREQUENCY

7.99 /7.39	JENKINS	EKY
	THOMASTON	GA
	CHARLOTTE	NC
	EDEN/STONEVILLE	NC
	SMITHFIELD	NC
	LEXINGTON	SC
	DAYTON/RHEA CTY	TN
	GALLATIN	TN
	MADISON	VA
	PETERSBURG	VA
	PARKERSBURG	WV
6.19 /7.51	MEMPHIS	TN
7.015/7.615	MARIETTA	GA
7.075/7.675	SNELLVILLE	GA
7.21 /7.81	CONYERS	GA
7.225/7.825	CLOUDLAND	GA
7.285/7.885	BIRMINGHAM(ALA)	TN
7.30 /7.90	ROME	GA
	MONROE	NC
7.315/7.915	ELLIJAY	GA
	FORSYTH	GA
6.355/7.955	EAST RIVER MNT	WV
7.375/7.975	ATHENS	GA
	GREENVILLE	SC

220 MHZ

3.70 /PKET	SAWNEE MT/CUMMIN	GA
2.12 /3.72	STERLING PK	VA
2.30 /3.90	COLUMBIA	SC
	HERMITAGE	TN
2.32 /3.92	HIGH POINT	NC
2.34 /3.94	ASHLAND	EKY
	ATLANTA/SWEAT MT	GA
	ASHVL/MT PISGAH	NC
	HILLSBOROUGH	NC
	CLARKSVILLE	TN
	MEMPHS/FRAYSER	TN
2.36 /3.96	ROCKY MOUNT	NC
2.38 /3.98	LINWOOD	NC
	GREER	SC
	GALLATIN	TN
2.40 /4.00	LOCUST	NC
	PETERSBURG	VA
2.42 /4.02	FAYETTEVILLE	NC
	HICKORY	NC
	NASHVILLE	TN
2.46 /4.06	BUCHANAN	GA
	EASLEY/SASFRS MT	SC
2.48 /4.08	NASHVILLE	TN
2.50 /4.10	FAIRFAX	VA
2.52 /4.12	ATLANTA/SWEAT MT	GA
	LEXINGTON	SC
2.54 /4.14	LUMBERTON	NC
	PICKENS/CSRS HD	SC
	FRANKLIN	TN
	HUNTINGTON	WV
2.56 /4.16	LENOIR/HIBRITN	NC
2.60 /4.20	MOORESBORO	NC
2.62 /4.22	NASHVILLE	TN
2.64 /4.24	HENDERSONVILLE	NC
2.70 /4.30	STATESVILLE	NC
2.74 /4.34	CANTON	GA
	CANTON	GA
	GALAX/PT LKOUT	VA
2.80 /4.40	CHARLT/MINT HL	NC
2.86 /4.46	KNOXVILLE	TN
2.88 /4.48	N. WILKESBORO	NC
2.90 /4.50	KNOXVILLE	TN
2.94 /4.54	MT MITCHELL	NC
2.98 /4.58	PIKEVILLE	EKY
3.00 /4.60	ASHEVILLE	NC
3.04 /4.64	RALEIGH	NC
	WINSTON-SALEM	NC
3.06 /4.66	ATLANTA/SWEAT MT	GA
3.08 /4.68	LK NORMN/CLT	NC
3.10 /4.70	WSTFLD/SAUTN MT	NC
3.12 /4.72	TYSONS CORNER	VA
3.14 /4.74	KINGSTON/LICK KB	WV
3.16 /4.76	SALISBURY	NC
	DAN/WHT OAK	VA
3.18 /4.78	CHATTANOOGA	TN
3.20 /4.80	MORGANTON	NC
3.22 /4.82	ATLANTA	GA
	GIBSONVILLE	NC
	KNOXVILLE	TN
	ALEXANDRIA	VA
3.28 /4.88	BUCHANAN	GA
	DALTON	GA
	WSTFLD/SAUTN MT	NC
3.30 /4.90	COLUMBIA	SC
	CHATT/SIGNAL MT	TN
3.32 /4.92	CHAPEL HILL	NC
3.34 /4.94	BUCHANAN	GA
	ROSSVILLE	GA
	GREENEVILLE	TN
	ROANOKE/POOR MTN	VA
3.36 /4.96	CHERRYVILLE	NC
3.38 /4.98	FALLS CHURCH	VA

440 MHZ

4.25 /1.25	MT MITCHELL	NC
9.25 /1.25	LEXINGTON	SC
	LEWISVILLE	NC
	NORFOLK	VA
	ALEXANDRIA	VA
	ALBANY	GA
	ALBANY	GA
	SHELBY	NC
	SUMTER	SC
	CHATT/SIGNAL MT	TN
7.00 /2.00	PICKENS/CSRS HD	SC
	WINCHESTER	VA
7.05 /2.05	MORGANTON	NC
	MEDINA	TN
7.10 /2.10	MILAN	TN
7.25 /2.25	COVINGTON	VA
7.50 /2.50	KNOXVILLE	TN
	ROANOKE/POOR MT	VA
7.55 /2.55	CONYERS	GA
7.70 /2.70	ROANOKE	VA
7.75 /2.75	ROANOKE	VA
7.80 /2.80	JACKSON	TN
	MEMPHIS	TN
7.90 /2.90	HIGH POINT	NC
8.00 /3.00	CHATSWORTH	GA
	COLUMBIA	SC
	MEMPHIS	TN
8.10 /3.10	LYNCH/BLACK MT	EKY
8.145/3.145	AUGUSTA	GA
8.20 /3.20	MARIETTA	GA
8.30 /3.30	GATLBG/COVE MT	TN
8.40 /3.40	MEMPHIS	TN
8.50 /3.50	ATLANTA	GA
	SAURATOWN MT	NC
	PARIS/GROVE HL	TN
	TYSONS CORNER	VA
8.55 /3.55	WILKESBORO	NC
8.550/3.550	ATLANTA	GA
8.60 /3.60	MT MITCHELL	NC
8.65 /3.65	HAMPTON	VA
8.70 /3.70	LOCUST	NC
8.75 /3.75	ALAMO	TN
	FINCASTLE	VA
8.30 /3.80	MANASSAS	VA
8.80 /3.80	NORTHWEST/SE VA	VA
8.875/3.875	CHAPEL HILL	NC
	CAESARS HEAD	SC
8.90 /3.90	GRIFFIN	GA
	SALUDA	VA
8.95 /3.95	CHARLT/MINT HL	NC
	WILLIAMSBURG	VA
9.00 /4.00	MARTINEZ	GA
	HICKORY	NC
	RICHMOND	VA
9.05 /4.05	WAYNSBR/AFTON MT	VA
8.10 /4.10	FAYETTEVILLE	TN
9.10 /4.10	DURHAM	NC
	COLUMBIA	SC
	CHATTANOOGA	TN
	MEMPHIS	TN
9.15 /4.15	ATLANTA/BELL	GA
	LEXNGTN/COLE MT	VA
	SPRINGFIELD	VA
9.20 /4.20	COLUMBUS	GA
	DECATUR	GA
	AHOSKIE	NC
	MORRISTOWN	TN
9.25 /4.25	STONE MTN	GA
	HENDERSONVILLE	NC
	CHARLOTTESVILLE	VA
9.30 /4.30	NEWTON	NC
	FISHERVILLE	TN
	HOOVER(ALA)	TN
	KNOXVILLE	TN
	WAYNESBORO	VA
8.35 /4.35	N. WILKESBORO	NC
9.35 /4.35	GALLATIN	TN
	APPLE ORCH MT	VA
9.40 /4.40	FAYETTEVILLE	NC
	OAK RIDGE	TN
9.45 /4.45	GALLATIN	TN
	FALLS CHURCH	VA
9.50 /4.50	ATLANTA	GA
	KENNESAW	GA
	LEXINGTON	NC
	MEMPHIS	TN
	LYNCHBURG	VA
9.55 /4.55	RIVERDALE	GA
	NASHVILLE	TN
	ALBERTA	VA
9.60 /4.60	CHARLOTTE	NC
	KNOXVILLE	TN
	ALEXANDRIA	VA
9.625/4.625	ATLANTA	GA
9.65 /4.65	WILLIAMSTON	NC
	GREENEVILLE	TN
	RICHMOND	VA
9.675/4.675	NASHVILLE	TN
9.70 /4.70	ROCKY MOUNT	NC
	WILMINGTON	NC
	MT PLEASANT	SC
	KNOXVILLE	TN
	MORGANTOWN	WV
9.735/4.735	DALTON	GA
9.75 /4.75	ROCK HILL	SC
	TYSONS CORNER	VA
9.775/4.775	NASHVILLE	TN
9.80 /4.80	GREENVILLE	NC
	MEMPHIS	TN
	LICK KNOB	WV
	MORGANTOWN	WV
9.825/4.825	WATERTON	TN
	STAUNTON	VA
9.85 /4.85	CHARLOTTE	NC
	PETERSBURG	VA
9.875/4.875	MT PISGAH	NC
	NASHVILLE	TN
8.90 /4.90	CHESAPEAKE	VA
9.90 /4.90	ASHVL/MT PISGAH	NC
	FAYETTEVILLE	NC
	GREENSBORO	NC
	WILSON	NC
9.925/4.925	ATLANTA	GA
9.95 /4.95	SUMTER	SC
	STAUNTON	VA
	VIRGINIA BEACH	VA
9.975/4.975	ATLANTA	GA
	SAURATOWN MT	NC
	NASHVILLE	TN
3.80 /8.80	SUMMERVILLE	SC
4.225/9.225	MANASSAS	VA
4.40 /9.40	MEMPHIS	TN
4.45 /9.45	ATLANTA	GA
4.50 /9.50	ALBANY	GA
4.825/9.825	ATLANTA	GA
4.90 /9.90	MACON	GA
	WOODBRIDGE	VA
4.925/9.925	WINCH/BLUEMONT	VA
2.01 /ACON	FISHERVILLE	TN

10 METERS

9.52 /9.62	ATLANTA	GA
	WILKESBORO	NC
	MEMPHIS/FRAYSER	TN
9.54 /9.64	CHAPEL HILL	NC
9.56 /9.66	SAPPHIRE	NC
9.58 /9.68	ALBANY	GA
	STERLING	VA

6 METERS

3.05 /2.05	ATLANTA/SWEAT MT	GA
3.44 /2.44	MARIETTA	GA
2.58 /2.48	FAIRFAX	VA
2.525/2.525	HENDERSONVILLE	NC
	CHARLOTTESVILLE	VA
2.76 /2.525	KNOXVILLE	TN
2.64 /2.84	FAIRFAX STA	VA
2.01 /3.01	HENDERSONVILLE	NC
	NEWPORT	NC
	CHATTANOOGA	TN
	MEMPHIS	TN
	ABINGTON	VA
	LEXNGTN/COLE MT	VA
	NORTN/HIGH KB	VA
2.03 /3.03	ROANOKE RAPIDS	NC
2.05 /3.05	COPE	SC
	BOLT/BOLT MT	WV
2.13 /3.13	ALEXANDRIA	VA
	DANVILLE(DCC)	VA
2.15 /3.15	TOCCOA	GA
	KNXVL/ENG MT	TN
	BEDFORD/THAX MT	VA
2.17 /3.17	ST MARYS/BENS R	WV
2.25 /3.25	KNOXVILLE	TN
	RIDGEWAY	VA
	ROANOKE	VA
2.33 /3.33	SAPPHIRE	NC
2.35 /3.35	CARY	NC
	KNOXVILLE	TN
2.41 /3.41	PICKENS	SC
2.43 /3.43	RICHMOND	VA
2.45 /3.45	GALLATIN	TN
2.47 /3.47	HICKORY	NC
2.55 /3.55	CONYERS	GA
2.03 /3.63	ST ALBANS/COAL	WV
2.06 /3.66	DANVILLE/MADSN	WV
2.67 /3.67	STATESVILLE	NC
2.09 /3.69	HERNSHAW/BEE MT	WV
2.12 /3.72	RAND	WV

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CVRA-SERA REPEATER INDEX LISTINGS BY CITY-BY-STATE

NORTH CAROLINA REPEATERS

2 METERS

AHOSKIE	WB4YNF	144.53	145.13	N	A
AHOSKIE	WA4ZGQ	146.31	146.91	N	PA
ALBEMARLE	K4OGB	146.385	146.985		
ASHEBORO	WD4AIB	147.855	147.255		PAL
ASHEVILLE	WA4QCO	146.235	146.835		A
ASHVL/MT PISGAH	WA4BVW	146.16	146.76		
ASHVL/SPIVEY MT	W4MOE	146.31	146.91		PA
BENSON	AK4H	147.87	147.27		PA
BOONE/RICH MTN	WA4KDB	147.96	147.36		
BREVARD/TRNS CTY	WB4CJS	147.735	147.135		
BURGAW	K4LZY	146.34	146.94		
BURLINGTON	WB4ZIN	146.07	146.67	N	A
BURLINGTON	W4VGZ	146.475	147.075	N	EA
BURLINGTON	WA4HBQ	147.675	147.075	N	EA
BURNSVILLE	N4YN	147.975	147.375		A
CARTHAGE	W4NIW	147.84	147.24		
CHARLOTTE	W4BFB	144.63	145.23		
CHARLOTTE	W4BFB	144.69	145.29		A
CHARLOTTE	WA4AOS	144.75	145.35		
CHARLOTTE	W4BFB	146.34	146.94		A
CHARLOTTE	W4CQ	146.46	147.06	N	A
CHARLOTTE	WD4PLY	147.99	147.39	N	PA
CHARLOTTE/RTTY	W4BFB	146.175	146.775		R
CHERRY MT	W4TMT	146.07	146.67		
CLINTON	WA4LZD	146.19	146.79	N	
COLUMBIA	K4ITL	144.51	145.11	N	CL
CONCORD/KANNAP.	K4CEB	146.055	146.655		A
CROWDERS MT	WD4PLY	144.85	145.45	N	
DUNN	WB4FXM	146.10	146.70		PA
DURHAM	WA4WTX	144.85	145.45		C
DURHAM	WA4BFT	146.34	146.94	N	A
EDEN/MAYODAN	WA4ACP	147.84	147.24		
EDEN/STONEVILLE	WA4QBG	147.99	147.39		
ELIZABETH CITY	WA4VTX	146.055	146.655		A
ELIZABETHTOWN	N4DHW	146.175	146.775	N	
FAYETTEVILLE	N4EWG	146.205	146.805		
FAYETTEVILLE	WB4YZF	146.31	146.91		A
FAYETTEVILLE	WA4FLR	146.445	147.045		CR
FAYVLLE/FT BRAGG	W4LPL	147.93	147.33		
FOREST CITY	WA4BKU	147.84	147.24	N	
FRANKLIN	N4AC	144.89	145.49		
FRANKLIN	W4GHZ	147.84	147.24		
GAST/SPCR MT	W4REW	147.72	147.12	N	A
GASTONIA	K4NOQ	146.205	146.805		PA
GOLDSBORO	K4CYP	146.25	146.85		A
GREENSBORO	N4AZM	144.65	145.25		A
GREENSBORO	K4SNI	146.01	146.61		A
GREENSBORO	WA4MSS	146.16	146.76		
GREENSBORO	KB4IZ	147.63	147.03		
GREENSBORO	W4BUZ	147.81	147.21	N	
GREENVILLE	WA4DAN	144.75	145.35		L
GREENVILLE	K4ROK	147.975	147.375		
GREENVL/ESTN NC	W4GDF	147.69	147.09		
GRIFTON	W4NBR	146.085	146.685		
HENDERSONVILLE	WB4YAO	146.04	146.64	N	L
HENDSVL/PINCK MT	WA4KNI	144.67	145.27		A
HENDSVL/STONE MT	WA4KNI	147.855	147.255		A
HICKORY/BRT. MT	WA4MDW	146.25	146.85	N	
HIGH POINT	N4XO	144.81	145.41		A
HIGH POINT	N4LXW	146.40	147.00		LA
HIGH POINT	KB4BPV	147.435	146.835		A
HIGH POINT	N4LXW	147.60	147.00		LA
HIGH POINT	KA4DHP	147.765	147.165		PA
HILLSBOROUGH	WA4WTX	147.825	147.225		A
HOPE MILLS	WB4TRW	146.445	147.045	N	
JACKSONVILLE	WD4FVO	146.40	147.00		PA
JACKSONVILLE	WR4ATW	147.90	147.30	N	
KINSTON	N4HAJ	144.87	145.47	N	P
LAKE TOXAWAY	K4MSK	147.795	147.195		
LAURINBURG	K4QWK	146.025	146.625		A
LENOIR/HIBRITN	KN4K	147.93	147.33		
LEWISVILLE	N4GGK	144.61	145.21		PA
LEXINGTON	K4IZM	146.31	146.91		PA
LILLINGTON	WA4FKI	144.87	145.47	N	
LK NORMN/CLT	WB4KPF	147.615	147.015		
LUMBERTON	W4NHV	147.90	147.30		EA
LUMBERTON	WB4MDI	147.96	147.36		
MACO	WA4LED	147.66	147.06		
MADISON	KA4YFF	146.295	146.895		
MAGGIE VALLEY	W4HCY	147.405	146.805		
MANTEO	K4UOR	146.34	146.94		O
MARION/BEAR WLW	KA4DEC	147.705	147.105		
MAYODAN	WA4ACP	144.55	145.15		
MONROE	KF4NJ	144.79	145.39		C
MONROE	K4BGU	147.30	147.90	N	NB
MONROE/UCARS	K4JCK	147.705	147.105		A
MORENTN/HI PK	WB4UDS	144.55	145.15	N	
MORGANTON	K4VLY	147.75	147.15		
MT AIRY	WA4ZAS	146.37	146.97		EA
MT AIRY-RTTY	WA4ZAS	146.34	146.94		R
MT AIRY/TRNR MT	KD4J	144.73	145.33		A
MT MITCHELL	WA4BVW	144.59	145.19		
N. WILKESBORO	N4AGN	144.77	145.37		LPA
NAGS HEAD/BODIE	KE4PB	146.235	146.835	N	
NEW BERN	WD4JMS	146.01	146.61		A
NEWPORT	K4GRW	144.85	145.45	N	AL
NEWTON	WD4JWO	144.57	145.17		
OLD FORT	KA4ROZ	146.385	146.985		
OXFORD	N4EKK	144.57	145.17		T
RALEIGH	N4BEA	144.67	145.27		PAL
RALEIGH	NW4B	144.79	145.39	N	C
RALEIGH	N4CBI	144.89	145.49		
RALEIGH	W4DW	146.04	146.64		
RALEIGH	K4BWC	146.13	146.73		A
RALEIGH	K4ITL	146.28	146.88		L
RALEIGH	K4ITL	147.75	147.15		PA
REIDSVILLE	K4YFT	146.25	146.85		
ROANOKE RAPIDS	K4ITL	144.71	145.31	N	CL
ROANOKE RAPIDS	K4PUV	147.63	147.03		
ROARING GAP	WB4PZA	146.22	146.82		
ROBBINSVILLE	WD4CNS	146.445	147.045		
ROCKINGHAM	WA4ULA	146.355	146.955	N	
ROCKY MOUNT	K4EWL	147.72	147.12		PA
SALISBURY	W4EXU	146.13	146.73		
SANFORD	WB4EJJ	147.78	147.18		A
SAURATOWN MT	W4RXG	144.51	145.11		R
SAURATOWN MT	N4LXW	146.19	146.79		
SAUROTOWN MT	WA4GIC	144.87	145.47		
SHELBY	WD4DJA	146.28	146.88		
SHELBY	WD4DJA	147.945	147.345		PA
SMITHFIELD	KD4JQ	146.37	146.97		
SMITHFIELD	W4MKL	147.99	147.39	N	
SPARTA/GREEN MT	K4ITL	144.83	145.43		L
SPRING LAKE	WB4KDC	146.115	146.715	N	
STATESVILLE	AI4O	146.085	146.685		PA
STATSVL/ASBRY MT	WA4JRL	147.645	147.045	N	
SWANSBORO	KO4S	146.16	146.76		
TRENTON	K4ITL	144.61	145.21		L
TUCKASEGEE	W8OMV	147.90	147.30	N	
UNION CROSS	WA4RBW	147.915	147.315		
WADESBORO	WA4IAT	146.235	146.835		
WASHINGTON	WA4TEP	147.945	147.345		
WAXHAW	WB4OOA	146.295	146.895	N	PA
WAXHAW	WA4ZRS	147.465	146.865		A
WAYNESVILLE	N4SM	147.87	147.27		PA
WHITEVILLE	K4MSD	147.81	147.21		
WILLIAMSTON	KA4KNU	144.81	145.41		PA
WILMINGTON	W4VNK	146.13	146.73		PA

CVRA-SERA REPEATER SYMBOLS

Unmarked - 1st Column FULL Mbr. SERA Rptr.		T	Tone Access Repeater
		L	Linked Repeater
		K	Packet Operation
N	NON Member SERA	R	Radioteletype Oper.
NB	Not on SERA Band Plan	V	Television (SS or ATV)
M	T-MARC Terr. Rptr.	P	Proposed Repeater
A	Autopatch (Open)	C	Under Construction
PA	Private Autopatch	O	Off Air Temporarily
EA	Emerg. Autopatch	RB	Remote Base System

Note some repeaters allow voice as well as other functions on their machine. Generally the second function is indicated, but does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for info.

WILMINGTON	K4GMP	146.22	146.82		
WILMINGTON	N4CJS	147.78	147.18	N	A
WILSON	WB4THL	146.16	146.76		
WINSTON-SALEM	WA4GIC	146.04	146.64		
YOUNGSVILLE	WD4AUI	146.445	147.045	N	

220 MHZ

ASHEVILLE	NC4N	223.00	224.60		
ASHVL/MT PISGAH	WA4BVW	222.34	223.94		
CHAPEL HILL	K2MZ	223.32	224.92	N	C
CHARLT/MINT HL	KE4ZC	222.80	224.40		
CHERRYVILLE	WB4UDS	223.36	224.96	N	
FAYETTEVILLE	W4EHF	222.42	224.02		
GIBSONVILLE	WB4IKY	223.22	224.82		R
HENDERSONVILLE	WA4KNI	222.64	224.24		C
HICKORY	WA4MDW	222.42	224.02	N	
HIGH POINT	K4AZA	222.32	223.92		LA
HILLSBOROUGH	WA4WTX	222.34	223.94		L
LENOIR/HIBRITN	KN4K	222.56	224.16		
LINWOOD	KA4HUV	222.38	223.98	N	
LK NORMN/CLT	WB4KPF	223.08	224.68		
LOCUST	WA4ZIA	222.40	224.00		PA
LUMBERTON	WB4WOR	222.54	224.14	N	P
MOORESBORO	N4JIF	222.60	224.20	N	C
MORGANTON	WB4PML	223.20	224.80		
MT MITCHELL	WA4BVW	222.94	224.54		
N. WILKESBORO	N4JFM	222.88	224.48	N	C
RALEIGH	WA4PEN	223.04	224.64	N	
ROCKY MOUNT	KA4DAP	222.36	223.96		
SALISBURY	W4EXU	223.16	224.76		
STATESVILLE	WA4PVI	222.70	224.30		
WINSTON-SALEM	WA4YHH	223.04	224.64	N	
WSTFLD/SAUTN MT	W4RXG	223.10	224.70		R
WSTFLD/SAUTN MT	W4RXG	223.28	224.88		

440 MHZ

AHOSKIE	WB4YNF	449.20	444.20	N	C
ASHVL/MT PISGAH	WA4COS	449.90	444.90	N	
CHAPEL HILL	K2MZ	448.875	443.875	N	C
CHARLOTTE	W4BFB	449.60	444.60	N	
CHARLOTTE	W4CQ	449.85	444.85	N	
CHARLT/MINT HL	KE4ZC	448.95	443.95		
DURHAM	WA4WTX	449.10	444.10		PA
FAYETTEVILLE	KB4ZW	449.40	444.40		
FAYETTEVILLE	KB4ZW	449.90	444.90		P
GREENSBORO	N4AZM	448.50	443.50	N	
GREENVILLE	AI4J	449.80	444.80	N	
HENDERSONVILLE	WA4KNI	449.25	444.25		C
HICKORY	K4JEQ	449.00	444.00		
HIGH POINT	K4AZA	447.90	442.90		L
LEWISVILLE	N4GGK	439.25	426.25		CV
LEXINGTON	W4HTG	449.50	444.50	N	C
LOCUST	WA4LBT	448.70	443.70		
MORGANTON	WB4PML	447.05	442.05		C
MT MITCHELL	WA4BVW	434.25	421.25		V
MT MITCHELL	N4DWU	448.60	443.60		
MT PISGAH	WA4COS	449.875	444.875	N	C
N. WILKESBORO	N4GGN	448.35	444.35	N	C
NEWTON	WD4JWO	449.30	444.30	N	C
ROCKY MOUNT	N4JEH	449.70	444.70		
SAURATOWN MT	NQ4T	448.50	443.50		
SAURATOWN MT	WA4GIC	449.975	444.975		C
SHELBY	WD4DJA	439.25	427.25		V
WILKESBORO	KC4XE	448.55	443.55		
WILLIAMSTON	KA4KNU	449.65	444.65		
WILMINGTON	KB4BR	449.70	444.70		
WILSON	NE4J	449.90	444.90		

10 METE

CHAPEL HILL	K2MZ	29.54	29.64	N	C
SAPPHIRE	W4EHV	29.56	29.66	N	C
WILKESBORO	KC4XE	29.52	29.62		L

6 METERS

CARY	WR4AVP	52.35	53.35	N	
HENDERSONVILLE	WB4YAO	52.01	53.01	N	
HENDERSONVILLE	WB4YAO	52.525	52.525	N	RB
HICKORY	WA4MDW	52.47	53.47	N	
NEWPORT	K4GRW	52.01	53.01	N	P
ROANOKE RAPIDS	K4PUV	52.03	53.03		
SAPPHIRE	W4EHV	52.33	53.33	N	C
STATESVILLE	WA4WRS	52.67	53.67	N	

PACKET REPEATERS

CHARLOTTE	W4BFB	145.01	PKET	K
RALEIGH	K4BWC-1	145.01	PKET	K

SOUTH CAROLINA REPEATERS

2 METERS

AIKEN	N4ADM	147.885	147.285		
ANDERSON	N4SZ	146.37	146.97		PA
ANDERSON/SAS MT	W4FVV	146.19	146.79		
BAMBERG	WA4DFP	144.73	145.33	N	
BARNWELL	WA4FOF	147.63	147.03		
CHARLESTON	WB4URP	144.65	145.25	N	
CHARLESTON	K4ILT	146.16	146.76	N	PA
CHARLESTON	W4IVE	146.19	146.79	N	
CHARLESTON	WB4LET	147.87	147.27		PA
CHARLESTON	K4LWS	147.90	147.30		A
CHELSEA	KB4GY	146.01	146.61		
CHERAW	KA4ABW	147.735	147.135		PA
COLUMBIA	KC4LB	144.83	145.43		PA
COLUMBIA	K4AVU	146.28	146.88		
COLUMBIA	N4EOY	147.93	147.33		L
DILLON/PEE DEE	NN4N	146.145	146.745		EA
FLORENCE	W4ULH	146.25	146.85		A
FLORENCE	WA4ISM	146.37	146.97		PA
FT JACKSON	WB4OCB	146.16	146.76		
FT MILL/CAROWND	AA4SC	147.78	147.18		
GASTON	WB4NEP	144.61	145.21		PA
GEORGETOWN	WD4DMI	147.975	147.375	N	
GOOSE CREEK	WD4NUN	147.675	147.075		A
GOOSE CREEK	W4NAT	147.78	147.18	N	
GREENVILLE	W4AZT	146.10	146.70		A
GREENVILLE	W4IQQ	146.34	146.94		
GREENVILLE	K4LEO	147.375	147.975		NBT
GREENWOOD	KB4YF	147.765	147.165		A
GREENWOOD/HODGES	KB4CS	144.53	145.13	N	
GREENWOOD/HODGES	KB4YF	144.77	145.37		
GRNVLE/CSRS HD	W4NYK	146.01	146.61		
GRNVLE/PARIS MT	W4NYK	146.22	146.82		PA
INMAN	WD8OXE	144.87	145.47		
LANCASTER	W4PAX	146.10	146.70		
LANCASTER	WB4BGF	147.84	147.24		
LAURENS	KA4LBI	146.25	146.85	N	A
LEXINGTON	KA4FEC	147.99	147.39		
LITTLE MT.	K4AVU	147.81	147.21		
MARION	W4YLT	146.40	147.00	N	EA
MONCKS CORNER	WD4CWY	147.75	147.15	N	
MT PLEASANT	K4ESG	146.07	146.67		
MYRTLE BEACH	KI4CB	144.51	145.11		P
MYRTLE BEACH	K4IQM	146.01	146.61		PA
MYRTLE BEACH	WA4YGE	147.72	147.12	N	
MYRTLE BEACH, N	WA4JYR	147.63	147.03	N	PA
N. AUGUSTA	K4FKJ	146.13	146.73		
NEWBERRY	KB4CO	146.085	146.685		
ORANGEBURG	WR4AQY	147.69	147.09	N	A
PICKENS	WB4YXZ	146.40	147.00		
PROSPERITY	WB4OCB	147.84	147.24		
RKY RDG/WALLACE	KA4ABW	144.89	145.49		
ROCK HILL	KA4RFA	144.71	145.31	N	LPA
ROCK HILL	K4YTZ	146.325	146.925	N	PA
ROCK HILL	K4YTZ	146.43	147.03	N	PA
ROCKY SPUR	KS4I	147.885	147.285	N	
SENECA/LONG MT	WA4JRJ	147.87	147.27	N	
SIMPSONVILLE	WA4LDP	146.13	146.73		
SIMPSONVILLE	WA4SDT	147.75	147.15	N	R
SPARTANBURG	WD8OXE	147.69	147.09		PA
SUMTER	WS4P	146.04	146.64		
SUMTER	WA4UMU	147.615	147.015		A
SUMTER	W4VFR	147.66	147.06		A
WHITE HALL	W4BWZ	146.31	146.91	N	

220 MHZ

COLUMBIA	N4EOY	222.30	223.90		L
COLUMBIA	N4EOY	223.30	224.90		L
EASLEY/SASFRS MT	KJ4X	222.46	224.06		
GREER	W4ILY	222.38	223.98	N	PA
LEXINGTON	KA4FEC	222.52	224.12		P
PICKENS/CSRS HD	WB4QHF	222.54	224.14		PA

440 MHZ

CAESARS HEAD	WB4LZQ	448.875	443.875	N	
COLUMBIA	N4EOY	448.00	443.00		
COLUMBIA	KC4YI	449.10	444.10		
LEXINGTON	N4GUP	439.25	421.25		V
MT PLEASANT	N4DRU	449.70	444.70		
PICKENS/CSRS HD	WA6WAY	447.00	442.00		PA
ROCK HILL	KA4RFA	449.75	444.75	N	LPA
SUMMERVILLE	WA4HNK	443.80	448.80	N	NB
SUMTER	WA4UMU	439.25	427.25		V
SUMTER	N4IGN	449.95	444.95	N	P

6 METERS

COPE	N4HSN	52.05	53.05	N	
PICKENS	WB4YXY	52.41	53.41		

PACKET REPEATERS

ANDERSON	W4FX	145.01	PKET		K
COLUMBIA	N4EOY	145.01	PKET		K
FLORENCE	W4ULH	145.01	PKET		K

VIRGINIA REPEATERS

2 METERS

ACCOMAC	WA4TVS	147.855	147.255		A
ALEXANDRIA	N4FSC	144.71	145.31	M	PA
ALEXANDRIA	WD4PDP	146.055	146.655	M	PA
ALEXANDRIA	W4HFH	147.915	147.315	M	L
ALTAVISTA	WA4ISI	146.055	146.655		A
ARLINGTON	N4EFJ	144.87	145.47	M	
ARLINGTON	WA4YVM	146.445	147.045	M	T
BARREN SPRINGS	K4HZS	146.07	146.67		
BEDFD/APL ORCH	WB4DBB	144.63	145.23		
BEDFORD	WB4JBJ	147.705	147.105		LR
BLACKSBURG	AB9I	146.115	146.715		
BLAND	N4AZJ	144.75	145.35	N	L
BLUEFIELD	W8MOP	144.89	145.49		
BRISTOL	WDECYZ	146.28	146.88	N	
BROMLEY MT	WR4ATJ	146.01	146.61	N	
CHARLOTTESVILLE	WA4TFZ	146.16	146.76		
CHARLOTTESVILLE	WA4TFZ	146.325	146.925		
CHESAPEAKE	K4NDH	144.69	145.29	N	EA
CHESAPEAKE	N4GSP	146.01	146.61		A
CHESAPEAKE	N4SD	146.19	146.79		A
CHESTERFIELD	KA4CBB	147.96	147.36		
CHESTERFLD CO	WA4ECM	147.66	147.06		
COVINGTON	WA4HTI	146.205	146.805		
CULPEPPER	N4FAF	147.72	147.12	M	
DANVILLE	K4YZR	147.95	147.35	N	NB
DANVILLE(DCC)	WB4GJG	146.325	146.925		
DANVILLE/WHT OAK	K4WQS	146.10	146.70	N	
DUBLIN	KT4Z	147.78	147.18		
DUFFLD/POWLL MT	KA4BHH	146.10	146.70		
FAIRFAX	W4LBL	146.19	146.79	M	PA
FALLS CHURCH	W4AQD	144.75	145.35	M	T
FARMVILLE	WB4NWP	146.31	146.91		A
FINCASTLE	W4WIC	146.04	146.64		
FOREST	K4STE	146.16	146.76		A
FRANKLIN	K4SPS	147.90	147.30	N	PA
FREDRICKSBURG	WB4LNT	147.615	147.015		
GALAX	WA4ZIV	144.79	145.39	N	
GALAX/BRIRP MT	N4VL	147.69	147.09		
GALAX/FRIES	WA4DFH	147.735	147.135		A
GALAX/LKOUT MT	N4VL	144.53	145.13		EA
GATE CITY	WD4GTA	147.945	147.345	N	
GRUNDY	K4HWQ	147.92	147.32	N	AN
GUM SPRING	KB4GX	147.87	147.27		
HAMPTON	K4DHO	146.13	146.73		PA
HAMPTON	K4UMI	146.34	146.94	N	T
HAZEL MT	WD4CYZ	146.235	146.835	N	
HILLSVILLE	WD4BTJ	147.975	147.375		A
JONESVILLE	WA4OVC	146.31	146.91		
KILMARNOCK	W2MS	144.61	145.21	N	C
LEXINGTON	WA4WBD	146.07	146.67		A
LEXINGTON	KI4ZR	147.90	147.30	N	C
LEXNGTN/COLE MT	K4PQD	147.93	147.33	N	
LYNCHBURG	W4WWQ	146.01	146.61	N	
LYNCHBURG	AB4M	147.43	144.93		NB
LYNCHBURG	WA4RTS	147.795	147.195		
LYNCHBURG	W4OSH	147.975	147.375	N	PA
MADISON	N4AJO	147.99	147.39	M	
MANASSAS	WD4JCE	144.67	145.27	M	R
MANASSAS	WA4FPM	146.37	146.97		PA
MARION	N4BIW	146.04	146.64		
MARTINSVILLE	AB4L	147.885	147.285		
MCLEAN	WD4IWG	147.81	147.21	M	R
MT. LK/BALD KNB	K4TUE	146.31	146.91	N	
NEW MARKET	WB4DAK	146.025	146.625		
NEWPORT NEWS	WB4CTF	147.765	147.165		PA
NEWPORT NEWS	WA4OHX	147.975	147.375	N	PA
NORFOLK	NE4D	146.10	146.70		
PETERSBURG	N4KAF	147.78	147.18		
PETERSBURG	K4ARO	147.84	147.24		TP
PETERSBURG	K4ARO	147.99	147.39		
PORTSMOUTH	N4PR	146.25	146.85		
RADFORD	KC4WA	147.645	147.045		
RICHMOND	K4YPE	144.51	145.11		A
RICHMOND	W4SQT	144.83	145.43		
RICHMOND	WB4QEY	146.04	146.64		PA
RICHMOND	WA4ZBE	146.28	146.88		PA
RICHMOND	W4ZA	146.34	146.94		
RICHMOND	WA4JST	146.43	147.03	N	
RICHMOND	N4HB	147.735	147.135		
ROANOKE	WB4QET	146.34	146.94	N	A
ROANOKE/POOR MT	WB4QOJ	146.145	146.745		LP
ROANOKE/POOR MT	W4CA	146.385	146.985		
SALEM	W4PDL	146.28	146.88	N	
SOUTH BOSTON	WD4LBM	146.46	147.06		
STAUNTON	W4XD	146.10	146.70		
STAUNTON	WA4ZBP	146.25	146.85		
STAUNTON	W4WRN	146.37	146.97	N	EA
STAUNTON/EL. KB	W4WRN	147.645	147.045	N	
STERLING	WA4TXE	146.115	146.715	M	
SUFFOLK	WA4HMT	146.40	147.00	N	PA
TAZEWELL	WD4DZE	147.75	147.15	N	
TYSONS CORNER	WB4FMD	146.31	146.91	M	PA
VIENNA	K4HTA	146.085	146.685	M	
VIRGINIA BEACH	WA4KXV	146.37	146.97		PA
VIRGINIA BEACH	WA4SBC	147.645	147.045	N	
WARRENTON	WB4FJT	147.765	147.165	M	
WARSAW	KA4ZIP	147.93	147.33		
WAYNESBORO	W4BLD	147.63	147.03		
WAYNSBR/AFTON MT	W4PNT	147.675	147.075		
WILLIAMSBURG	W4NTG	146.07	146.67		
WINCH/BLUEMONT	WA4TSC	147.90	147.30		
WINCHESTER	W4RKC	146.22	146.82		
WISE/HIGH KNOB	K4AXO	147.81	147.21	N	
WOODBRIDGE	WB4FQR	147.84	147.24	M	A
WYTHEVILLE	WA4EMS	146.175	146.775		
YORKTOWN	WD4SDC	147.825	147.225	N	

220 MHZ

ALEXANDRIA	WA4CCF	223.22	224.82	M	L
DAN/WHT OAK	K4OAK	223.16	224.76	N	
FAIRFAX	WB4YHD	222.50	224.10	M	L
FALLS CHURCH	N4CHP	223.38	224.98	M	PA
GALAX/PT LKOUT	WA4DFH	222.74	224.34		
PETERSBURG	K4ARO	222.40	224.00		
ROANOKE/POOR MTN	WB4DBB	223.34	224.94		
STERLING PK	WD4KHP	222.12	223.72		C
TYSONS CORNER	WD4KHP	223.12	224.72		PL

440 MHZ

ALBERTA	K4ARO	449.55	444.55	N	L
ALEXANDRIA	WR4AAG	439.25	426.27	M	V
ALEXANDRIA	W4HFH	449.60	444.60	M	
APPLE ORCH MT	WB4DBB	449.35	444.35		L
CHARLOTTESVILLE	WA4TFZ	449.25	444.25		
CHESAPEAKE	N4EVG	448.90	444.90	N	C
COVINGTON	WA4HTI	447.25	442.25		
FALLS CHURCH	WB8CRK	449.45	444.45	M	L
FINCASTLE	W4WIC	448.75	443.75		
HAMPTON	K4UMI	448.65	443.65	N	
LEXNGTN/COLE MT	K4PQD	449.15	444.15	N	
LYNCHBURG	K4HEX	449.50	444.50		
MANASSAS	WD4JCE	444.225	449.225	M	L
MANASSAS	WB3EAQ	448.30	443.80	M	
NORFOLK	W4WIN	439.25	426.25	N	V
NORTHWEST/SE VA	KR4K	448.80	443.80	N	
PETERSBURG	K4ARO	449.85	444.85		
RICHMOND	N4HB	449.00	444.00		
RICHMOND	K4ARO	449.65	444.65		
ROANOKE	N4HON	447.70	442.70		

VIRGINIA REPEATERS *Continued*

ROANOKE	WR4AFE	447.75	442.75	N	
ROANOKE/POOR MT	W4CA	447.50	442.50		
SALUDA	WA4UAF	448.90	443.90	N	
SPRINGFIELD	AA4VA	449.15	444.15	M	
STAUNTON	WA4ZBP	449.825	444.825		C
STAUNTON	W4WRN	449.95	444.95	N	
TYSONS CORNER	WB6GUS	448.50	443.50	M	
TYSONS CORNER	K4JYF	449.75	444.75	M	
VIRGINIA BEACH	WA4KXV	449.95	444.95		
WAYNESBORO	W4BLD	449.30	444.30		TPA
WAYNSBR/AFTON MT	W4BLD	449.05	444.05		
WILLIAMSBURG	W4NTG	448.95	443.95	M	
WINCH/BLUEMONT	WA4TSC	444.925	449.925		NB
WINCHESTER	W3CSG	447.00	442.00	M	
WOODBRIDGE	WB4FQR	444.90	449.90	M	

6 METERS

ABINGTON	WR4ATJ	52.01	53.01	M	L
ALEXANDRIA	WA4CCF	52.13	53.13	M	L
BEDFORD/THAX MT	WB4DBB	52.15	53.15		
CHARLOTTESVILLE	WA4TFZ	52.525	52.525		RB
DANVILLE(DCC)	WB4GJG	52.13	53.13		
FAIRFAX	KA4DCS	52.58	52.48	M	NB
FAIRFAX STA	WD4KHP	52.64	52.84		NB
LEXNGTN/COLE MT	K4PQD	52.01	53.01	N	L
NORTN/HIGH KB	K4LSP	52.01	53.01	N	
RICHMOND	KA4NNN	52.43	53.43		N
RIDGEWAY	KE4FJ	52.25	53.25	N	
ROANOKE	WB4DBB	52.25	53.25		L

10 METERS

STERLING	KD4DN	29.58	29.68	M	P

PACKET REPEATERS

GLEN ALLEN	K4ARO-1	145.01	PKET		K
HAMPTON	K4UMI	145.23	PKET	N	K

TENNESSEE REPEATERS

2 METERS

ALAMO	WB4EDS	147.735	147.135	N	
ALTAMONT	WR4AWN	146.37	146.97	N	
ATHENS	WB4GRC	144.71	145.31	N	
BENTON	K4SIR	144.85	145.45	N	
BIRMINGHAM(ALA)	WD4BXA	147.285	147.885		ANB
BLOUNTVILLE	WA4KMG	147.60	147.00	N	
BRISTOL	K4ILW	146.07	146.67		A
BRISTOL	WD4CYZ	146.28	146.88	N	
BROWNSVILLE	WA4ABU	146.655	146.055	N	NB
CHATT/SIGNAL MT	WA4ZOK	147.60	147.00		PA
CHATTANOOGA	K4VCM	144.69	145.29		
CHATTANOOGA	KB4TZ	144.79	145.39		A
CHATTANOOGA	K4CMY	146.01	146.61		
CHATTANOOGA	W4DSK	146.19	146.79		A
CHATTANOOGA-RTTY	K4CMY	144.53	145.13	N	
CLARKSVILLE	WA4TEQ	147.60	147.00	N	
CLEVELAND	WD4DES	147.78	147.18		
COOKEVILLE	WA4UCE	146.07	146.67	N	A
COOKEVILLE	N4WS	147.81	147.21		PA
COVINGTON	WA4VXW	147.93	147.33	N	
CROSSVILLE	KE4RX	146.04	146.64		
CROSSVILLE	W4CV	147.93	147.33	N	
CUMBERLAND CTY	N4GMT	144.73	145.33	N	
DAYTON/RHEA CTY	K4ZLA	147.99	147.39	N	
DECATUR-PONE KB	W4RJC	144.55	145.15		
DONELSON	WA4BZU	147.885	147.255	N	TPA
DYERSBURG	AA4HF	146.145	146.745	N	
ELIZABETHTON	WB4SQC	144.69	145.29		A
FAYETTEVILLE	KO4G	146.265	146.865	N	
FAYETTEVILLE	W4NIQ	147.63	147.03	N	
FISHERVILLE	N4DRL	144.65	145.25		A
FRANKLIN	WB4HCK	144.55	145.15	N	RB
FRAYSER	W4UFT	146.10	146.70	N	
GALLATIN	W4NIT	147.84	147.24	N	PA
GALLATIN	WA4YQC	147.87	147.27	N	PA
GALLATIN	WB4DLQ	147.99	147.39	N	T
GREENEVILLE	WS4X	144.79	145.39		
GREENEVILLE	WB4TUO	144.81	145.41		
GRNVLE/GRYSTN	WA4LYF	147.66	147.06		A
GTLBG/COVE MTN	WA4KJH	146.25	146.85		LEA
HENDERSONVILLE	WB4WZK	144.67	145.27		
HENDERSONVILLE	WB4WZK	147.915	147.315		P
HENDERSONVILLE	WD4FFM	147.945	147.345	N	
HERMITAGE	WB4DOR	144.79	145.39		
HUMBOLDT	NQ4Y	144.75	145.35	N	
JACKSON	KF4SC	144.71	145.31	N	
JACKSON	W4WKZ	147.81	147.21	N	
JASPER	KD4XX	144.59	145.19	N	
JOHNSON CITY	WB4EHK	146.19	146.79		
JOHNSON CITY	KE4FH	147.87	147.27	N	A
KNGSPT/BAYS MT	W4TRC	146.37	146.97		A
KNOXVILLE	WB4JSD	144.51	145.11		R
KNOXVILLE	K4KFD	144.61	145.21	N	A
KNOXVILLE	WA4TEM	144.73	145.33		A
KNOXVILLE	WA4GZE	144.77	145.37		
KNOXVILLE	WB4GBI	144.83	145.43		
KNOXVILLE	WB4GBI	146.34	146.94		
KNOXVILLE	K4HXD	147.675	147.075	N	A
KNOXVILLE	W4BBB	147.90	147.30		
KNXVL/CROSS MT	KA4OAK	147.96	147.36		
KNXVL/ENG MT	WB4IOB	146.13	146.73		
KNXVL/HOUSE MT	WB4GBI	144.87	145.47		
LAFOLLETTE	KA4OAK	144.53	145.13		A
LAFCLLETTE/WMT	W4TZG	146.07	146.67		
LAKE CITY	WB4OAH	146.22	146.82	N	
LEBANON	KE4VZ	146.13	146.73		PA
LEBANON	WB4DOR	147.645	147.045		
LENOIR CITY	KE4SK	144.57	145.17	N	
LEXINGTON	WB4LGH	146.43	147.03	N	
MANCHESTER	W4FOT	146.10	146.70	N	A
MARTIN	WA4ZQX	146.025	146.625		
MCMINNVILLE	WA4CPJ	144.63	145.23		A
MCMINVL/SHT MT	W4KKO	144.89	145.49		
MEDINA	K4BEZ	146.37	146.97	N	A
MEMPHIS	WA4VIP	144.81	145.41	N	
MEMPHIS	WA4KOG	144.89	145.49	N	
MEMPHIS	W4GYS	146.04	146.64	N	
MEMPHIS	WA4DAZ	146.13	146.73	N	
MEMPHIS	K4FZJ	146.19	147.51	N	NB
MEMPHIS	W4BS	146.22	146.82	N	
MEMPHIS	WA4KOG	146.25	146.85	N	A
MEMPHIS	WA4ETE	146.28	146.88	N	A
MEMPHIS	K4BN	146.34	146.94	N	A
MEMPHIS	K4FZJ	146.40	147.00	N	
MEMPHIS	WA4MQQ	146.46	147.06	N	
MEMPHIS	W4ZJM	147.63	147.03		L
MEMPHIS	WB4DAZ	147.72	147.12	N	AT
MEMPHIS	WA5KUB	147.75	147.15	N	
MEMPHIS	WA4KOG	147.78	147.18	N	
MEMPHIS	WD4APK	147.84	147.24	N	
MEMPHIS	WA4ADT	147.90	147.30	N	
MEMPHIS	WB4MMI	147.96	147.36	N	
MILLINGTON/NB	W4ODR	146.43	147.03		L
MORRISTOWN	WD4PRQ	147.63	147.03		EA
MORRISTOWN	WB4OAH	147.825	147.225	N	
MOUNTAIN CITY	WD4OMO	144.87	145.47	N	
MUFREESBORO	N4FUD	144.61	145.21	N	
MURFREESBORO	WB4LHO	144.57	145.17		PA
NASHVILLE	N4AJS	144.65	145.25	N	
NASHVILLE	WD4FFM	144.69	145.29	N	
NASHVILLE	WD4JYD	144.75	145.35	N	
NASHVILLE	N4ARK	144.87	145.47	N	
NASHVILLE	WA4PCD	146.01	146.61	N	PA

CVRA-SERA REPEATER SYMBOLS

Unmarked - 1st Column
FULL Mbr. SERA Rptr.

N	NON Member SERA
NB	Not on SERA Band Plan
M	T-MARC Terr. Rptr.
A	Autopatch (Open)
PA	Private Autopatch
EA	Emerg. Autopatch
T	Tone Access Repeater
L	Linked Repeater
K	Packet Operation
R	Radioteletype Oper.
V	Television (SS or ATV)
P	Proposed Repeater
C	Under Construction
O	Off Air Temporarily
RB	Remote Base System

Note some repeaters allow voice as well as other functions on their machine. Generally the second function is indicated, but does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for info.

TENNESSEE REPEATERS

NASHVILLE	WB4NTM	146.04	146.64		EA
NASHVILLE	WB4QES	146.16	146.76	N	
NASHVILLE	W4SQE	146.19	146.79		
NASHVILLE	N4TK	146.25	146.85	N	PA
NASHVILLE	WB4QES	146.28	146.88	N	
NASHVILLE	WA4PCD	146.34	146.94	N	
NASHVILLE	AF4K	147.615	147.015	N	
NASHVILLE	WA4PCD	147.75	147.15	N	
NASHVILLE	WA4PCD	147.78	147.18	N	
NASHVILLE	WB4ZSA	147.90	147.30	N	PA
NASHVILLE	N4AJS	147.93	147.33	N	
NASHVILLE S.	WB4NTM	147.96	147.36		R
NASHVILLE S.W.	WB4NTM	146.07	146.67		EA
OAK RIDGE	W4SKH	146.28	146.88	N	
OAK RIDGE	W4SKH	146.37	146.97	N	A
OAK RIDGE	K4EAJ	147.72	147.12		L
OAK RIDGE	K4EAJ	147.75	147.15		R
PARIS	K4KLX	147.96	147.36		A
PIKEVILLE	K4MJM	147.885	147.285		
PULASKI/MUS MT	W4JVO	146.175	146.775		
SAVANNAH	WB4DQU	146.31	146.91	N	
SHELBYVILLE	W4QEB	147.66	147.06		A
SHIELDS MT	N4CJX	144.67	145.27		EA
SHORT MTN	W4YXA	146.31	146.91		
SIGNAL MT	AD4F	146.055	146.655	N	
SPARTA/BON AIR	W4BSA	147.69	147.09		A
SPRING HILL	NW4E	144.85	145.45		A
STANTONVILLE	KA4OHC	144.79	145.39	N	
UNION CITY	WA4YGM	147.615	147.015		A
WAVERLY	NO4Q	146.085	146.685	N	
WINCHESTER	WR4AFH	146.22	146.82	N	

CHATT/SIGNAL MT	WA4ZOK	223.30	224.90		
CHATTANOOGA	K4VCM	223.18	224.78		A
CLARKSVILLE	KF4GP	222.34	223.94	N	
FRANKLIN	WD4SGS	222.54	224.14	N	
GALLATIN	WB4ZSA	222.38	223.98	N	PA
GREENEVILLE	WB4NKM	223.34	224.94		A
HERMITAGE	WB4RAB	222.30	223.90		
KNOXVILLE	WA4YON	222.86	224.46		
KNOXVILLE	W4BBB	222.90	224.50		
KNOXVILLE	KB4CTS	223.22	224.82	N	C
MEMPHS/FRAYSER	W4ZJM	222.34	223.94		LO
NASHVILLE	N4TB	222.42	224.02	N	
NASHVILLE	WB4UEX	222.48	224.08	N	
NASHVILLE	N4AWB	222.62	224.22	N	

440 MHZ

ALAMO	WB4EDS	448.75	443.75	N	L
CHATT/SIGNAL MT	WA4ZOK	439.25	427.25		V
CHATTANOOGA	WA4NFO	449.10	444.10	N	
FAYETTEVILLE	KO4G	448.10	444.10	N	
FISHERVILLE	N4DRL	432.01	BEACON		
FISHERVILLE	N4DDS	449.30	444.30		A
GALLATIN	WD4BKY	449.35	444.35	N	
GALLATIN	WD4KWP	449.45	444.45		
GATLBG/COVE MT	WA4KJH	448.30	443.30		L
GREENEVILLE	WB4NKM	449.65	444.65		
HOOVER(ALA)	K4FUM	449.30	444.30		NBA
JACKSON	WB4EPG	447.80	442.80		
KNOXVILLE	WA4NTZ	447.50	442.50	N	
KNOXVILLE	K4HXD	449.30	444.30	N	
KNOXVILLE	KB4NK	449.60	444.60		
KNOXVILLE	WB4GBI	449.70	444.70		
MEDINA	K4BEZ	447.05	442.05	N	AL
MEMPHIS	WA4KOG	444.40	449.40	N	NB
MEMPHIS	WA4QWW	447.80	442.80	N	
MEMPHIS	W4ZJM	448.00	443.00		O
MEMPHIS	WA4DOR	448.40	443.40	N	A
MEMPHIS	KA4JXT	449.10	444.10	N	
MEMPHIS	KA4IZF	449.50	444.50	N	A
MEMPHIS	WD4APK	449.80	444.80	N	
MILAN	WD4ABJ	447.10	442.10		
MORRISTOWN	KA4NEX	449.20	444.20	N	
NASHVILLE	WA4PCD	449.55	444.55	N	
NASHVILLE	W4AY	449.675	444.675	N	
NASHVILLE	N4TK	449.775	444.775	N	
NASHVILLE	WB4THG	449.875	444.875	N	
NASHVILLE	WB4QES	449.975	444.975	N	
OAK RIDGE	K4EAJ	449.40	444.40		L
PARIS/GROVE HL	WA4WKS	448.50	443.50		
WATERTON	KE4VZ	449.825	444.825	N	C

6 METERS

CHATTANOOGA	WB4LRD	52.01	53.01		
GALLATIN	WD4KWP	52.45	53.45	N	C
KNOXVILLE	WA4YON	52.25	53.25		
KNOXVILLE	WB4GBI	52.35	53.35		
KNOXVILLE	K4HXD	52.76	52.525	N	NB
KNXVL/ENG MT	WB4IOB	52.15	53.15		
MEMPHIS	WA4KOG	52.01	53.01	N	

10-METERS

MEMPHIS/FRAYSER	W4ZJM	29.52	29.62		

PACKET REPEATERS

KNOXVL/CROSS MT	WA4YON	145.01	PKET	N	K
MEMPHIS	WB4MQD	145.33	PKET	N	K
PIKEVILLE	K4MJM	145.01	PKET	N	K
SHORT MT	W4YXA	145.01	PKET	N	CK

The Repeater Journal Index Has Been Corrected As Of October 18, 1985

WEST VIRGINIA REPEATERS

2 METERS

ALDERSON	WA8AVZ	146.13	146.73		
BECKLEY/EOC	KC8FW	144.77	145.37	N	LA
BKLY/FLAT TOP MT	K8BO	146.25	146.85	N	A
BOLT MT	KD8X	144.57	145.17	N	L
BRIDGEPORT	K8VNQ	147.72	147.12		EAL
BUCKHANNON	WD8LND	146.04	146.64		
BUCKHANNON	K8WYH	146.25	146.85	N	
CHARLESTON	W8WHQ	144.83	145.43	N	
CHARLESTON	WB8IFS	146.22	146.82	N	
CHARLESTON	WB8CQV	146.28	146.88	N	
CLARKSBURG	WB8ZVS	146.22	146.82		
CLARKSBURG	WB8DTM	146.50	52.525	N	NB
CLARKSBURG	KA8OHX	147.915	147.315	N	
CRAIGSVILLE	KD8OG	144.67	145.27	N	L
DUNBAR	K8VKI	147.72	147.12		
EAST RIVER MNT	WD8OGY	146.355	147.955		A
FAIRMONT	W8SP	146.30	146.90		
FAIRMONT	W8SP	146.31	146.91		
FRANKLIN	W3RUA	147.945	147.345		
GASSAWAY	KA8HEZ	146.115	146.715	N	
GRAFTON	K8VNQ	147.975	147.375		L
HARRISVILLE	WB8NSL	147.90	147.30	N	
HERNDON	WA8VDZ	146.025	146.625		LA
HUNTINGTON	WB8FEQ	144.61	145.21		R
HUNTINGTON	WB8EZR	146.04	146.64		
HUNTINGTON	W8VA	146.16	146.76		A
HUNTINGTON	KA8BKX	147.90	147.30		PA
KINGSTON/LICK KB	W8FG	144.87	145.47		
LAYLAND/MANN MT	N8BZS	144.71	145.31	N	L
LEON	WB8NMT	147.78	147.18	N	
LIBERTY	K8SLI	144.81	145.41	N	P
LOGAN	WD8KWC	144.63	145.23	N	

CVRA-SERA REPEATER SYMBOLS

Unmarked - 1st Column FULL Mbr. SERA Rptr.		T	Tone Access Repeater
		L	Linked Repeater
		K	Packet Operation
N	NON Member SERA	R	Radioteletype Oper.
NB	Not on SERA Band Plan	V	Television (SS or ATV)
M	T-MARC Terr. Rptr.	P	Proposed Repeater
A	Autopatch (Open)	C	Under Construction
PA	Private Autopatch	O	Off Air Temporarily
EA	Emerg. Autopatch	RB	Remote Base System

Note some repeaters allow voice as well as other functions on their machine. Generally the second function is indicated, but does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for info.

LOGAN	WA8ZLR	146.09	147.11	N	ONB
LOGAN/WARD RK MT	WD8DRV	146.37	146.97		
MADISON	KA8JYR	146.06	147.06	N	NB
MARMET/BEE MT	N8DBN	144.55	145.15	N	
MARTINSBURG	WA8FSE	144.55	145.15	M	
MARTINSBURG	WB8VAZ	147.855	147.255	M	
MCMECHEN	WA8ULB	146.31	146.91		PA
MORGANTOWN	K8LG	144.83	145.43	N	L
MORGANTOWN	W8CUL	146.16	146.76		LPA
MULLENS	KC8IT	147.63	147.03		LA
NEW MARTINSVLLE	WB8CSW	146.34	146.94		
OAK HILL	K8CFT	146.19	146.79		EA
PARKERSBURG	WA8CRW	146.37	146.97		
PARKERSBURG	W8JZN	147.99	147.39		
PARSONS	K8VNQ	144.73	145.33		EAL
POINT PLEASANT	W8KNM	147.66	147.06	N	
PRINCETON	KA8PNC	146.46	147.06		A
RAVENSWOOD	WD8JNU	146.07	146.67		
RAVENSWOOD	WD8JNU	146.10	146.70		R
RICHWOOD	K8VKB	146.34	146.94		
RIPLEY	K8SNW	146.31	146.91	N	P
SALT ROCK	WD8MCR	144.51	145.11	N	
SCOTT DEPOT	K8SLI	147.87	147.27	N	A
SHERRARD	N8GL	146.115	146.715		
SPENCER	KA8AUW	146.01	146.61	N	
SPRUCE KNOB	AD8T	144.69	145.29	N	P
ST ALBANS	WB8GDY	146.40	147.00		
ST ALBANS	K8BCH	147.975	147.375		R
ST ALBANS/COAL	WB8KAD	146.12	146.72	N	PA
ST ALBANS/COAL	WB8OEC	147.75	147.15	N	
ST MARYS/BENS R	WB8ECC	147.63	147.03	N	L
TERRA ALTA	WB8PHU	147.60	147.00		PA
WEIRTON	KC8JN	146.34	146.94		A
WELCH	WB8SXZ	144.85	145.45	N	
WESTON	WD8EOM	144.79	145.39		PAL
WHEELING	W8YFX	144.59	145.19	N	
WHEELING	W8JDH	146.16	146.76	N	
WILLIAMSON	KA4CAS	144.73	145.33	N	

220 MHZ

HUNTINGTON	KA8BKX	222.54	224.14	N	
KINGSTON/LICK KB	W8FG	223.14	224.74		

440 MHZ

LICK KNOB	N8FRV	449.80	444.80	N	
MORGANTOWN	K8LG	449.70	444.70	N	L
MORGANTOWN	W8CUL	449.80	444.80		PA

6 METERS

BOLT/BOLT MT	N8DKL	52.05	53.05	N	
DANVILLE/MADSN	K8JYR	52.06	53.66	N	NB
HERNSHAW/BEE MT	KA8SVR	52.09	53.69	N	NB
RAND	N8CDE	52.12	53.72	N	NB
ST ALBANS/COAL	WD8JKA	52.03	53.63	N	NB
ST MARYS/BENS R	WD8RET	52.17	53.17	N	L

PACKET REPEATERS

LOGAN	WB8FQJ	145.01	PKET		K

EAST KENTUCKY REPEATERS

2 METERS

ASHLAND	KK4Y	146.34	146.94		
ASHLAND	KA4DII	147.84	147.24		ALRE
ELKHORN CITY	WB4WAU	147.60	147.00		EAO
GRAYSON	KF4JO	146.10	146.70	N	
HARLAN	WM4R	144.75	145.35	N	
HAZARD	K4VHF	146.07	146.67		
JENKINS	WD4PDJ	147.99	147.39	N	
LEXINGTON	KC4TX	144.85	145.45		A
LOUISA	WA4SWF	146.13	146.73		EA
LYNCH/BLACK MT	N4IZD	147.945	147.345	N	
MIDDLESBORO	W4PPM	144.63	145.23	N	
MOREHEAD	K4GFY	146.31	146.91		
MT. STERLING	WD4KNE	147.745	147.145	N	
PAINTSVILLE	WB4WFW	147.69	147.09		A
PIKEVILLE	N4IWZ	144.59	145.19		
PIKEVILLE	WB4GEL	146.19	146.79		PA
PIKEVILLE	N4IXA	146.25	146.85		EAL
PIKEVILLE	WB4GEL	147.87	147.27		PA
PINEVILLE	WA4YZY	146.04	146.64	N	
PRESTONSBURG	K4ICN	144.69	145.29		LRB
PRESTONSBURG	WA4FHK	146.28	146.88		
WILLIAMSON	???	144.73	145.33	N	
WINCHESTER	WB4ASZ	147.72	147.12		EA

220 MHZ

ASHLAND	KC4QK	222.34	223.94		
PIKEVILLE	WB4F	222.98	224.58		

440 MHZ

LYNCH/BLACK MT	N4IZD	448.10	443.10	N	

GEORGIA REPEATERS

2 METERS

ADAIRSVILLE	WD4IWL	146.085	146.685	N	
ALBANY	W4MM	144.55	145.15		L
ALBANY	W4MM	146.10	146.70		
ALBANY	W4MM	146.13	146.73		
ALBANY	W4MM	146.22	146.82		
ALBANY	WB4TFW	147.75	147.15		
AMERICUS	N4KD	146.04	146.64	N	P
AMERICUS	K4VBH	147.87	147.27	N	
ASHBURN	KF4BI	147.885	147.285		
ATHENS	WA4BKF	144.65	145.25		A
ATHENS	K4TQU	147.375	147.975		
ATLANTA	WA4JDR	144.71	145.31	N	
ATLANTA	W4BOC	144.85	145.45	N	
ATLANTA	W4FWD	146.04	146.64	N	T
ATLANTA	W4DOC	146.22	146.82		PA
ATLANTA	N4OD	146.37	146.97	N	
ATLANTA	WA4NNO	146.40	147.00		PA
ATLANTA	W4REI	147.63	147.03		
ATLANTA	WR4ABN	147.63	147.03	N	
ATLANTA	KD4RR	147.705	147.105		
ATLANTA	K4SMX	147.795	147.195	N	
ATLANTA	WD4KDT	147.855	147.255		PA
ATLANTA	WA4VBX	147.885	147.285		PA
ATLANTA/BELL	W4PME	144.81	145.41		
ATLANTA/GA TECH	W4AQL	144.55	145.15		PA
ATLANTA/SWEAT MT	WB4UPC	144.83	145.43		A
ATLANTA/SWEAT MT	WB4UPC	147.94	147.34		
AUGUSTA	W4TUN	144.51	145.11		A
AUGUSTA	N4JA	144.89	145.49		
AUGUSTA	W4LWT	146.04	146.64		
AUGUSTA	K4AUM	146.34	146.94		EA
AUGUSTA	NA4I	146.385	146.985		PA
AUGUSTA	W4ALK	147.72	147.12		PA
AUGUSTA	N4BMA	147.78	147.18	N	R
AUGUSTA	KB4NHY	147.97	147.37	N	P
BALDWIN	WD4NHW	147.78	147.18		A
BLAIRSVILLE	N4EFL	147.705	147.105		
BRUNSWICK	K4TVE	146.13	146.73	N	
BUFORD	WD4JXR	147.87	147.27	N	
CARROLLTON	W4WFD	146.04	146.64		A
CEDARTOWN	W4CMA	147.72	147.12		PA
CLEVELAND	K4FOW	146.31	146.91		
CLEVELAND	K4FOW	147.615	147.015		
CLOUDLAND	N4AHE	147.225	147.825	N	
COHUTTA-RTTY	W4KAU	146.46	147.06		RO
COLLEGE PARK	WB4LBM	144.51	145.11	N	O
COLUMBUS	WD4BDU	144.71	145.31	N	
COLUMBUS	WA4QHN	146.01	146.61	N	
COLUMBUS	W4FIZ	146.13	146.73	N	
COLUMBUS	N4BJZ	146.28	146.88	N	
COLUMBUS-RTTY	K4ACH	144.77	145.37		R
CONYERS	KE4SG	147.81	147.21		
CORDELE	WA4RWS	144.89	145.49		
COVINGTON	WA4ASI	146.925	146.325	N	
CUMMING/SAWNEE	K4BYK	147.75	147.15		PA
DALLAS	K4DVJ	146.25	146.85	N	
DALTON	K4WNG	144.63	145.23		
DALTON	N4BZJ	144.65	145.25		O
DALTON	N4BZJ	147.735	147.135		
DALTON	KE4LN	147.81	147.21		
DECATUR	W4VTA	144.51	145.11		
DECATUR	WB4CPL	144.75	145.35		
DOUGLASVILLE	KB4EO	147.96	147.36		A
DUBLIN	WA4HZX	147.96	147.36	N	
ELLIJAY	W4HHH	147.315	147.915		

GEORGIA REPEATERS

FAYETTEVILLE	K4UWN	146.085	146.685		
FOLKSTON	K4DMK	146.19	146.79	N	
FOREST PARK	K4KQK	144.65	145.25	N	
FORSYTH	WR4AQA	147.315	147.915	N	
GAINESVILLE	W4NSO	146.07	146.67		A
GRIFFIN	WB4GWA	144.79	145.39		PA
GRIFFIN	K4HYB	146.31	146.91		
HAMILTON	N4GDG	146.835	146.235	N	
HAMILTON/PINE MT	WB4ULJ	144.59	145.19	N	
HAMPTON	AC4P	146.235	146.835	N	
HARTWELL	KY4T	146.895	146.295		EA
IRWINTON	WB4NFG	147.84	147.24	N	
JASPER	W4OOM	146.10	146.70		A
JESUP	WA4EQL	146.07	146.67	N	
JONESBORO	WA4DIW	144.57	145.17	N	
JONESBORO	WA4OGE	144.73	145.33	N	
LAGRANGE	KO4R	146.25	146.85	N	
LAGRANGE	WB4BXO	147.93	147.33	N	
LANIER MT/SNLV	WD4JXR	147.675	147.075		PA
LYONS	K4HAO	146.22	146.82	N	
MACON	WB4OLL	144.83	145.43	N	
MACON	W4BKM	146.06	146.66	N	
MACON	K4ICT	147.66	147.06		T
MACON	W4MST	147.90	147.30	N	
MADISON	WB4DKY	146.865	146.265		
MARIETTA	WA4QPL	144.89	145.49		PA
MARIETTA	KE4FT	146.13	146.73	N	
MARIETTA	KC4KE	146.175	146.775	N	
MARIETTA	W4BTI	146.28	146.88	N	
MARIETTA	WA4QPL	147.015	147.615	N	
METTER	W4TYM	147.645	147.045		
MILLEDGEVILLE	KF4LI	144.55	145.15		
MILLEDGEVILLE	WB4DOJ	146.10	146.70	N	
MILLEDGEVILLE	KF4LT	146.205	146.805		EA
MOULTRIE	WD4KOW	146.19	146.79	N	
NEWNAN	K4SEX	144.53	145.13		PA
NEWNAN	K4SEX	146.19	146.79		
PERRY	KB4KIN	144.71	145.31	N	
PINE LOG MTN	KE4PN	144.67	145.27		L
PRESTON	W4TOV	146.385	146.985	N	
QUITMAN	WA4NKL	146.28	146.88	N	
RINGGOLD	W4ABZ	146.115	146.715	N	
RIVERDALE	WA4EPK	144.61	145.21		PA
ROME	W4VO	146.34	146.94		
ROME	K4HNM	147.30	147.90	N	
ROSSVILLE	KC4EV	144.75	145.35		
ROSSVILLE	W4VAG	147.81	147.21	N	
ROSWELL	NC4E	144.69	145.29	N	
ROSWELL	N4CLA	144.87	145.47	N	
ROSWELL	N4CLA	147.66	147.06		
SANDY SPRINGS	WB4CPL	144.75	145.35	N	
SAVANNAH	K4NLX	144.63	145.23	N	
SAVANNAH	K4NLX	146.10	146.70	N	PA
SAVANNAH	W4HBB	146.28	146.88		
SAVANNAH	W4HBB	146.37	146.97		A
SNELLVILLE	WR4AZW	147.075	147.675	N	
ST SIMONS ISL	KA4CVE	147.69	147.09	N	
STATESBORO	NC4D	147.81	147.21	N	
STONE MTN	W4BOC	146.16	146.76	N	
SVR CRK/MT ALTO	K4HNM	147.90	147.30	N	
SWAINSBORO	K4VYX	146.19	146.79	N	
SWEAT MT	N4CLA	144.87	145.47		EA
SWEAT MT	KD4NC	146.13	146.73		K
SYCAMORE	KF4BI	147.78	147.18	N	
THOMASTON	K4IMK	147.99	147.39	N	
THOMASVILLE	W4UCJ	147.66	147.06		A
TOCCOA	KA4DIP	147.93	147.33		PA
UNION CITY	WA4UPE	146.025	146.625		
VALDOSTA	W4APS	146.16	146.76	N	
VALDOSTA	K4JFE	147.735	147.135	N	
VALDOSTA/TIFTON	WA4VLP	144.53	145.13	N	
VIDALIA	N4JWP	146.025	146.625		A
WARNER ROBINS	WB4BDP	146.01	146.61		
WARNER ROBINS	W4HON	146.25	146.85		A
WARNER ROBINS	W4MST	147.615	147.015		
WAYCROSS	WA4GVG	146.04	146.64	N	
WRENS	N4JA	144.77	145.37	N	P
WRIGHTSVILLE	WA4RVB	146.34	146.94	N	
YNG HRRS/RCKY TP	K5PRE	147.915	147.315	N	

220 MHZ

ATLANTA	KK4C	223.22	224.82	N	PA
ATLANTA/SWEAT MT	WB4UPC	222.34	223.94		L
ATLANTA/SWEAT MT	WB4UPC	222.52	224.12		A
ATLANTA/SWEAT MT	WB4UPC	223.06	224.66		O
BUCHANAN	WB4UPC	222.46	224.06		L
BUCHANAN	WB4UPC	223.28	224.88		O
BUCHANAN	WB4UPC	223.34	224.94		
CANTON	KE4PN	222.74	224.34		L
CANTON	WB4UPC	222.74	224.34		L
DALTON	N4BZJ	223.28	224.88		
ROSSVILLE	KC4EV	223.34	224.94		

440 MHZ

ALBANY	W4MM	439.25	427.25		
ALBANY	WA4GKI	439.25	427.25	N	V
ALBANY	W4MM	444.50	449.50		
ATLANTA	WD4KEZ	444.45	449.45		
ATLANTA	W4DOC	444.825	449.825		
ATLANTA	KE4IO	448.50	443.50	N	
ATLANTA	KE4IO	448.550	443.550	N	
ATLANTA	WB4UWL	449.50	444.50		
ATLANTA	N4WQ	449.625	444.625	N	A
ATLANTA	WA4NNO	449.925	444.925		
ATLANTA	WA4YNZ	449.975	444.975	N	T
ATLANTA/BELL	K4LDR	449.15	444.15		
AUGUSTA	WB4OCB	448.145	443.145	N	
CHATSWORTH	AA4EO	448.00	443.00		
COLUMBUS	WA4QHN	449.20	444.20	N	
CONYERS	WB4JEH	447.55	442.55	N	
DALTON	WA4TIW	449.735	444.735		O
DECATUR	WB4LBM	449.20	444.20	N	
GRIFFIN	WB4GWA	448.90	443.90		PA
KENNESAW	WB4IXF	449.50	444.50	N	
MACON	WB4OLL	444.90	449.90	N	
MARIETTA	N4CLA	448.20	443.20	N	
MARTINEZ	N4JA	449.00	444.00	N	
RIVERDALE	WA4EPK	449.55	444.55		
STONE MTN	W4BOC	449.25	444.25	N	

10 METERS

ALBANY	W4MM	29.58	29.68		L
ATLANTA	WB4LBM	29.52	29.62	N	

6 METERS

ATLANTA/SWEAT MT	WB4UPC	53.05	52.05		
CONYERS	WB4JEH	52.55	53.55	N	C
MARIETTA	WR4ASD	53.44	52.44	N	
TOCCOA	WR4AYM	52.15	53.15	N	

PACKET REPEATERS

ADEL	KF4JF-1	145.01	PKET	N	K
AUGUSTA	WD4CNV-1	145.01	PKET	N	K
CLARKSVILLE	W4EAW-1	145.01	PKET	N	K
COHUTTA	W4KAU	145.01	PKET		K
COHUTTA	W4KAU	145.09	PKET		K
COLUMBUS	K4ABT-1	145.01	PKET	N	K
CUMMING/SAWNEE	WB4GQX-1	145.01	PKET		K
FAIRMONT	AA4EO-1	145.09	PKET	N	K
FORSYTH	WB4GQX-2	145.01	PKET		K
HAMILTON/PINE MT	WB4ULJ-1	145.01	PKET	N	K
HAMPTON	WA4TXT-1	145.01	PKET	N	K
MACON	K4ICT-2	145.05	PKET		K
PERRY	K4ICT-1	145.01	PKET		K
ROME	NC4G-1	145.09	PKET	N	K
SAWNEE MT/CUMMIN	WB4GQX-1	223.70	PKET	N	K
WARNER ROBINS	WL7ACY-1	145.05	PKET	N	K

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Picnic Celebration Held For Digipeter Move in SC

— by C.H. Merrill, W4FX

The Anderson (SC) Radio Club has provided a simplex repeater for packet radio on 145.01 mhz since July 31, 1985. The W4FX-1 digipeter was located at the home of W4FX for testing and debugging.

On August 18, the digipeter was moved to its new permanent location atop Sassafras Mt., the highest point in South Carolina (antenna elevation 3,600 ft. AMSL). It was installed and placed in operation on that date by a group from the Anderson RC (N4SZ, N4BAO, N4MHG, W4FVV and W4FX). The antenna had been attached to the tower atop the mountain a few days before by N4SZ, WB4DOT, W4JZ and W4FX.

To celebrate completion of the digipeater, a mountain top picnic was indulged in by the installing group. W4FVV, Jerry Garrett, made "home brewed" banana ice cream, and grilled steaks. Everything tasted great in that cool mountain air.

The W4FX-1 machine consists of a Motorola Metrum II transceiver, a GLB PK-1 TNC with watchdog circuit board, battery backup power and about 35 feet of half inch hardline to a Phelps Dodge 4-stacked folded dipole antenna array, oriented toward the Southeast with a fat cardoid pattern. Transmitter output is 20-watts.

This digipeter is co-located with the Anderson Radio Club's 19-79 voice repeater with about 2 feet of antenna separation. Some mutual receive desensing it noticable on weak signals, but this should be fixed when the cavities on order are installed. This along with some possible antenna re-orientation, should put the repeater in good operating shape.

The 20-watts seem to give good coverage. We have considered adding a power amplifier, but not sure one is needed. Any comments from users in this regard should be sent to W4FX, C.H. Merrell, Rt. 13, Box 190, Anderson, S.C. 29624.

(WD4KHL Photo)

HAM-FORESTRY official, Tom Murdock, K8IXO sits at his operation position in the basement of his residence. Tom is also Superintendent of the Kanawha State Forest.

The Raleigh Amateur Radio Society presents !

HAMFEST / COMPUTERFEST

AND

NC STATE ARRL CONVENTION

NC STATE FAIRGROUNDS

Jim Graham Building

APRIL 13, 1986

FOR INFORMATION: 919—847—8522

See Next CVRA Journal for more details !!

Georgia News

—Compiled by Lindsay Cleveland, W4IZI

It has been an eventful time in Georgia these past few months! As was reported in the last "Repeater Journal", Georgia repeater owners/sponsors petitioned for membership in CVRA-SERA. Well, that has come to pass! At the Association's Annual Meeting in Shelby, it was unanimous that Georgia be accepted as a District.

• • • •

In order to do "whatever was needed" to make Georgia a full-fledged District, two fellows were elected at the July Athens Hamfest: Newell Anderson, W4AQE, and John Robertson, N4BGL. They have been busy ever since! With a few other folks they "persuaded" to help, and with a LOT of encouragement and cooperation from repeater owners/sponsors all around the state, a 56-page information package was mailed to 250 trustees, club secretaries, sponsoring groups,etc. It contained a letter outlining what has happened so far, a copy of the Association Constitution and Bylaws, application forms, requests for recommendations to the Nominating Committee for Director and Vice-Director, and a listing of Georgia repeaters. The response to that mailing has been very gratifying! There are now over 90 Georgia repeaters as Full Members of the Association, and more keep trickling in! A lot of corrections to the listing were received, so the Georgia section in this "Repeater Journal" should be fairly accurate. But as you know, nothing stands still. So keep me informed of any changes, new or defunct repeaters, etc. (My address is on page 2 of the "Journal".)

• • • •

As of this writing, the nominating committee has unanimously selected two candidates for Director: John Abercrombie (N4JA) of Augusta; and Steve Reynolds (WA4CNG) of Norcross. It was decided tht John Robertson, N4BGL, has been doing a fine job in trying to bring a semblance of order to frequency coordination within the state, and he should continue in that job. Rather than add the extra duties of Director to his heavy load, and in deference to his request, he was not placed in nomination for that office. However, since he agreed to serve as Vice-Director, the committee decided to make him the only candidate. Ballots have been sent to all Repeater Representatives and the results will be reported in the next "Journal".

I mentioned above that there has been excellent cooperation from all around Georgia. A case in point is Dave Shiplett, WL7ACY, who lives in Warner-Robins. He has volunteered to serve as an Assistant Director and to represent CVRA-SERA in the Macon/Warner-Robins area. (Honest! He volunteered! Out of the Blue!) So the Georgia "Team" is taking shape.

Georgia Digital Activity

With more digital TNC's becoming affordable/available, and with the interest being generated by packet radio demonstrations at hamfests and club meetings, digital activity has really taken off in Georgia. The load in the Atlanta area sometimes becomes enough to begin "clogging" the simplex frequency of 145.01, so a duplex digipeater has been put into operation on 146.13/146.73, located on Sweat Mountain north of the Metro Atlanta area. In less than a year of existence, the Georgia Radio Amateur Packet Enthusiast Society (G.R.A.P.E.S.) has grown to over 100 members, and has started a special fund to provide equipment for a backbone/trunk digipeater system throughout the entire state.

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The Southnet II Packet Radio Conference will be held on November 23-24. It is being hosted by the Georgia Tech Amateur Radio Club and is sponsored by G.R.A.P.E.S. They plan to have lots of forums, presentations, and "whatevers" dealing with digital radio subjects.

15 Khz vs. 20 Khz Channels

When I set up a booth at the Augusta and Gainesville Hamfests, I was frequently asked what was the possibility of Georgia going to a 20 Khz spacing in the 146-148 Mhz band. With the recent wholesale frequency changes in next-door Alabama, it becomes an issue of high interest in Georgia.

Most seemed agreeable to the "stock answer" I supplied: at the Shelby Annual Meeting of the Association, it was reaffirmed that CVRA-SERA supports the ARRL bandplan of 15 Khz channels in the 146-148 Mhz band. However, we shall be flexible!

• • • •

MACON/WARNER-ROBINS; In a effort to expand the "range" of the Central Georgia Amateur Radio Club, the Warner-Robins folks have added the Macon Amateur Radio Club members to the mailing list of their "Newsletter". Sounds like a nice way to keep folks aware of what's happening within the region, and an example of "friendship within the fraternity". Hope everyone had a good time at the October 12-13 Hamfest.

• • • •

AUGUSTA: For those who came early to the August Hamfest (Saturday night), there was a great party at the Ramada Inn. The Augusta hams really know how to make folks feel welcome! They had a spread of cold cuts, slices of fancy breads, corn chips, dip, soft drinks, etc. for all to enjoy. And on top of that, there were guitars, mandolins, and lots of singing (Ok, ok, so I was off-key and didn't know the words! I had fun anyway!). So mark your calendar for next year. Oil your tonsils and join in the fun!

• • • •

GAINESVILLE: (from W4FDK) The 146.04/146.64 repeater has recently replaced the controller with a new RC85 model from A.C.C. The emergency preparedness net meets on the repeater at 9:00 PM Wednesday nights. However, once a month a special drill is run on 146.52 simplex to check out the ability of all stations to still communicate if the repeater gets clobbered.

The Gainesville club station is located in the Hall County Emergency Communications Center, which makes for immediate linkup to the police, fire, and ambulance facilities in the event of an emergency. Also the repeater has an autopatch link directly to the County Emergency Communications Center. And if that weren't enough, they also have an antenna erected and a communications desk set up at the Red Cross headquarters. All in all, a very well-planned and integrated emergency preparedness/communications arrangement.

Wrap-Up

Everywhere I have been in Georgia, and all the time I have talked to folks on the air or on the telephone, there has been a lot of interest in "where things are headed", and "what should we do to help?" All I find are friendly folks who want to keep this aspect of our fraternity/hobby enjoyable and free of hassles. Perhaps I am wearing rose-colored glasses, but with so many people saying "Let's do things right", it seems that things can only turn out well for all of the Amateur Radio community.

• • • •

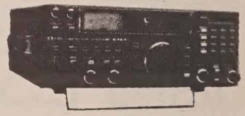
So keep those cards and letters coming in! If we want to have Georgia well reported in the "Journal", send me your newsletters, or send me some pictures, or send me a paper napkin telling me what's going on in your area. Toot your own horn! Let's show all the rest of the Southeast just how busy and progressive the Hams are in Georgia!

Welcome GA & EKY

I personally want to thank repeater operators of Georgia and Eastern Kentucky for joining the SERA and making it one of the largest and best organizations of Radio Amateurs. I am looking forward to working with the officers and members of each District. Special thanks are due to Terry West, WB4F, who was instrumental in organizing the E. Kentucky District and to Lindsay Cleveland, W4IZI, Eddy Kosobucki, K4JNL, and others who made it happen in Georgia.

73,
Carter Cogle, K4ARO
President, SERA

ICOM



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Looking back

—by David Ward, KA4LVO

NOVEMBER 1975
The Repeater Journal

Traditionally, the November issue of the Repeater Journal has contained stories related to the continuing existence of the organization. Every other year new officers would be taking charge on the first of January, so tributes to outgoing officers might be printed in the Journal. With the new officers could come new appointees, such as the Journal editor and full and associate membership chairmen. Several stories in this issue dealt with these officers and appointees and how they viewed their positions.

The front page story introduced us to the new slate of nominees. Ed Alderman, WA4PEN had been nominated to serve another term as president. For vice president, the Coastal District director Calvin Dempsey, WA4UQC was the nominee. Northern District director Carter Cogle, K3ARO was the nominee for secretary, and the encumbent treasurer Al Ross, K4CAW had accepted re-nomination.

The minutes from the September director's meeting took a page and a half of this 28 page issue. Old business included official recognition and acceptance of the ARRL bandplans for 440 Mhz and 6 meters, the appointment of a technical committee, the nomination of officers, and the appointment of K4GHR "to obtain a design and quote on an emblem/decal for the CVRA". (These early Journals certainly do look different without our 'parrot'!) New business included the use of territory channels, where to hold district meetings, and criticism. One criticism was on the content of the Repeater Journal. Editor Bill Parris, K4GHR responded to this with an article explaining why there was criticism. His research showed that of all the articles printed during the 5 years of the Journal, only two had caused criticism. So what was the fuss about? Seems that member B complained about an article member A wrote. Months later, member B wrote an article that Member A disliked. Other than that, the basis for this criticism was unfounded.

In my last article, I mentioned the partial computer generated repeater index. By the November 1975 issue, the entire repeater index was on computer and the various listings were printed on a dot matrix printer. In addition to the 3-district index, the usual club meeting calendar and net registers were also printed in the Journal.

An article was written explaining the reason for and benefits of associate membership by chairman Lindsay Cleveland, W4IZI. Bill Page, WB4LWX, included an article in support of full membership. District directors wrote in news from their areas for the Journal. Even an article from the newly formed technical committee found its way to the pages of the issue. So most of the departments of the organization were represented.

However, what I look forward to most when I begin my research for this feature each time are the non-amateur related stories. Most of these stories deal with the exploding CB hobby. The November 1975 issue reports that the two millionth CB license had just been issued. This number represented just a part of the number of CB rigs in the country. With so much unlawfulness on this band, Indianapolis police planned to stop cars with two-way radios and check

Continued on Page 40

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RICAN RADIO

UNIQUE OCCASION. . . SERA officials and ARRL officials have a nice chat at the ARRL booth at the Virginia Beach Hamfest and Computer show, during the 1985 Virginia State ARRL Convention. Shown are Wally Burkette, WA4KXV, Vice Director, Virginia District, CVRA-SERA, Gay Milius, W4UG, ARRL Director, Roanoke Division, and Carter Cogle, K4ARO, President of CVRA-SERA.

What Do Coorinators Want To Know About Repeaters?

— by Ted Wolfe, WD4KHL, WV SERA Director

If you went through the SERA coordination process, or your repeater is a FULL REPEATER MEMBERSHIP machine we most likely have all the information necessary for our files. But for grandfathered machines, uncoordinated ones, or SERA non-members our coordination files may be incomplete, or lacking sufficient details to afford you the protection you need in case of an interference complaint.

Even non SERA members should make sure their frequency coordinator has full information on their machines.

Primarily we want to know who is contact (complete name, call, address, and phone number) when we have need to get in touch with repeater owners/operators. In the case of club stations, we need that information on the trustee.

Also give us: The date your repeater was placed in service, experimentally and regular service; whether you were coordinated, when and by whom; details of the physical location of your repeater (Longitude and Latitude, for example, if you know this), the name of the mountain it is on if this applies, and its relationship to the nearest town which might be found on a map; your coverage area (cities, towns, counties for both base and mobile users. Also your type of transmitter/receiver; whether you use a duplexer and if so the manufacturer; single or split site operation; whether linked.

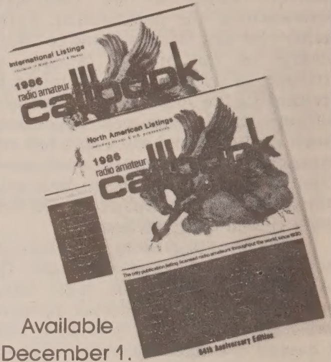
If your machine is linked, with what other facility? By what means? List your linking and control frequencies (THESE WILL BE KEPT CONFIDENTIAL)? Is your repeater controlled by a microprocessor controller and if so its make? Your antenna type? Its height above sea level and height above average terrain. Your output power ERP? Is the repeater open or closed (private)? How is it accessed (carrier, whistle, touch-tone, etc.)? Does it have autopatch? Is the autopatch open or closed or restricted to club members? Does your repeater have emergency power? Is the ID by voice or CW?

And any other information you feel would make your file more complete. And be sure to notify your coordinator when you change the repeater's call.

Repeater owners and operators, do we have all this information on your repeater? Why take a chance. Write a letter giving the above information and date it, and we'll put it in your file. You'll find all the State District Directors' addresses, usually on the back cover of the Journal.

(Editor's Note: Non-member repeaters wishing to have this information on file with their State Director might desire to use the Full Membership form printed in this issue of the Repeater Journal. A little modification and labeled "For Information Only" will serve the purpose. If you do NOT PLAN TO JOIN your repeater send the form DIRECTLY TO YOUR DIRECTOR. If you DO JOIN, send the form to the address on the application, and a copy will be forwarded to the proper Director.)

1986 CALLBOOKS



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The Callbook Supplement is a whole new idea in Callbook updates. Published June 1, 1986, this Supplement will include all the activity for both the North American and International Callbooks for the preceding 6 months.

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Looking Back-Nov. 1975

Continued from Page 37

to be sure that the drivers were properly licensed. When proof could not be provided, the police would record the name and address of these people and send the list to the FCC. Also, the police would be looking for missing or altered serials numbers to search for stolen CB sets. Implications for the ham here were two-fold. As Ham Radio magazine reported, first be sure that a copy of the ham's license accompanies any mobile rig so that a non-ham family member wouldn't suffer unnecessary harrassment or embarassment. Secondly converted commercial gear for amateur use frequently had altered or defaced serial numbers or nameplates. Many states at that time had laws making it a crime to possess any item which had missing serial numbers. In short, be sure you have your explanation ready for the Indiana police!

Send Inquires to Proper Person

If your dishwasher was broken you wouldn't call in an auto mechanic. Likewise, check your Journal carefully and send the right person correspondence. The treasurer cannot handle coordination. The President doesn't handle Full Membership . . . etc. . . . etc. . . .

Changes In Our Repeater Lists

There are three changes in the Repeater Journal Repeater Index, beginning with this issue. We had received numerous requests over the past year to make these changes and are pleased to do so for our readers.

(1) We have split out Packet repeaters and they are now listed by-state in a separate listing. NOTE; Packet repeaters which are operating on the designated Packet simplex frequencies of 145.01, 145.03, 145.05, 145.07 and 145.09 will be in this listing. Although other packet repeaters, operating on other 2-meter simplex frequencies will be listed, they will be designated "NB" (Non band-plan).

(2) Packet repeaters operating on regular 2-meter FM pairs with a 600 khz split, will remain in the regular 2-meter listing, however their machine will be designated packet with a "K" beside the listing. This coincides with other repeaters on the FM band operating RTTY or TV.

(3) We have also put the repeater symbols box on at least every other page so readers will not have to turn the page to find the box.

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COLOR SLIDES needed for future front covers of the REPEATER JOURNAL. Slide must be of good quality and color, obviously ham related. Proper credit will be given those which are published in 1986. Write Wayne, K4MOB, Editor. (see address Page 1)

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Private Autopatch Repeaters Need To Provide More Help

We have had numerous reports of instances where amateurs driving through a city run across an emergency, and the only repeater in town with autopatch apparently had unpublished access codes.

The ham then has repeatedly called for help from a control operator to no avail.

Repeater owners who have closed autopatches should consider having someone monitor as much as possible to assist in situations such as this. One of our purposes of Amateur Radio is to provide Public Service and assistance in times of emergency. The emergencies could be fires, automobile accidents, stranded motorists or whatever.

In North Carolina, the Highway Patrol now recognizes the Amateur Radio Service through the "Ham Watch" program initiated through the Governor's office. The need for help on repeaters is vital in cities throughout the state so members of "Ham Watch" can quickly obtain help either through autopatches, or through a control operator who can make a quick telephone call.

Hampton Is Profiled In July Issue Of "Communications"

Danny Hampton, K4ITL, North Carolina Assistant Director for CVRA-SERA is profiled in the July issue of Communications magazine. The magazine had a nice story with picture of Danny is his capacity as Service manager with Johnson Communications, in Raleigh, N.C., a commercial mobile radio company.

Hampton, first licensed as an Amateur at the age of 12, is well known in the Amateur community. He designed and did most of the installation of the Piedmont Coastal Repeater Network, which stretches from the coast of North Carolina to the mountains. His system is unique, utilizing a 220 mhz and 440 mhz "backbone" for linking some 11 repeaters, any at a time as desired.

Danny told the interviewer for communications that his toughest obstacle to overcome is proving to others that he is capable of doing what needs to be done. Danny has been blind since birth.

Lake Norman (NC) 220 2M Repeater Updated

The 223.08-224.68 Lake Norman/Charlotte (NC) repeater has been improved with the addition of a Wacom duplexer and 50-watt amplifier. Mobile coverage now includes Charlotte, Hickory and Salisbury.

The companion 2-meter repeater is back on the air as of Sept. 14 from the same site on Anderson Mountain. It had been off the air for several weeks due to severe desense problems, which were solved by installing 2 cavities in each of the transmitter and receiver feedlines. The 2-meter coverage does not yet equal that of 220 but a pre-amp and higher power are planned for this fall.

The 220 and 615-015 repeaters are linked continuously. A signal into either one will be repeated on both outputs. Hopefully this will spur 220 activity in the area.

Autopatch facilities, using 450 links to serve the Lake Norman area is in the planning stages. The maintenance crew for getting the machine on the air and keeping things going include: Jack McManus, N4HZL: Bob Austin, N4CLH; and Lee Harris, WB4KPF.

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Evans M. Crush, WB4UOI

Evans M. Crush, WB4UOI, known to his many Amateur friends as "Mac" died Saturday, September 14th after a brief illness. Mac had been an officer and active in the Richmond (VA) ARC and the Virginia ARA.

He helped initiate the plans and arrangements for the original Metropolitan Repeater Association wide area 145.43 repeater and helped form the MRA. He worked actively in upgrading the Richmond ARC 34-94 repeater, and worked with the Red Cross in addition to operating a communications display from Kings Dominion this Summer. Evans had planned and arranged for the communications display and operation from the Virginia State Fair in September.

Crush was EC for Henrico County and had established an outstanding ARES organization. He was the head of the Old Dominion Chapter of 10-10 Net. He was the contact and coordinator for the VE program of Amateur exams given regularly at J. Sargeant Reynolds Community College in Richmond.

Mac wrote a guest editorial that appeared prominently on the editorial page of the Richmond News Leader on Amateur Radio and its activities. He also headed the Amateur classes in recent years at the Westhampton School in Richmond.

He was most active in all community and emergency projects. Mac will be greatly missed.

(Jim Fitzgerald, K4OJE)

Air Force Academy Appointment

Jeffrey "Jeff" T. Wimmer - KA4VXM, son of Van - WA4BIX and Rose - WA4TLH, brother of Allen - KA4VXN and Michael - KA4VXO, grandson of Eva Wimmer - KB4DDX, has accepted an appointment to the U.S. Air Force Academy in Colorado Springs, Colorado. All are from the Roanoke County, Virginia area.

Jeffrey's older brother Allen accepted an appointment to the Air Force Academy last year.

Jeffrey was an honor graduate of Northside High School and lettered in track two years. He was also active in 4-H. He attended 4-H State Electric Congress and played percussion in the State Band.

He is a cadet member of the Roanoke Composite Squadron of the Civil Air Patrol which meets at Woodrun Field Airport the Roanoke Regional Airport. Jeffrey has earned his solo wings thru CAP programs and attended many CAP encampments and schools including an extensive officer school and achieved the rank of Lt. Colonel. He served twice as an International Cadet Exchange Host in Washington, D.C. introducing foreign exchange cadets to our nations capital and preparing them for their visit to the United States.

Jeffrey was an active amateur operator and a member of Army MARS, call AAT3EL, also well known in CAP radio nets.

Jeffrey received a National Merit Letter of Commendation for being in the top 5% nationwide for scores on the SAT exams. He is also an accomplished pianist.

SCARDS Is Born For Packeteers

— by C.H. Merrell, W4FX
and SCARDS brochure

On August 10, 1985, a group of ten South Carolina packeteers met in Columbia and organized the South Carolina Amateur Radio Digital Society (SCARDS), for the purpose of promoting orderly growth of packet radio and other digital modes.

Other purposes of SCARDS included: (1) Provide a forum for Amateur radio digital communicators to exchange information and views, (2) aside from orderly growth, to provide coordination with other state, regional and national groups, including representation in the Southeastern group SOUTHNET. (3) To provide a consensus South Carolina voice on all matters involving digital communications, and (4) provide technical assistance and exchange of information and provide a periodical newsletter to SCARDS members.

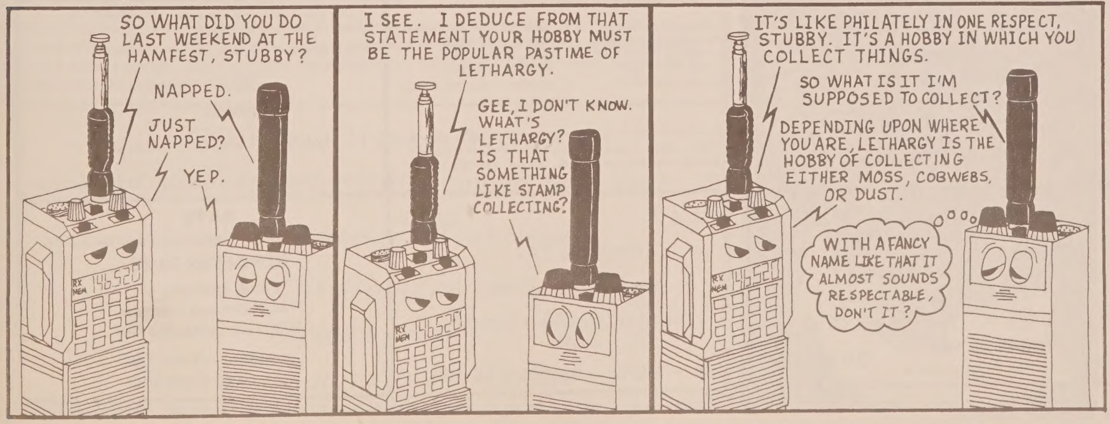
Officers of SCARDS include: President, Rip Merrell, W4FX; Vice-President, Don O'Neil, WA4AZK; Secretary, Bob Miller, W4VFR; and Treasurer, Al Harney, N4EOY.

Annual dues for membership is $10.00. Information and application forms for SCARDS may be obtained by writing the secretary, Bob Miller, W4VFR, Rt. 3, Box 271-P Barnwell Dr., Sumter, S.C. 29150.

News for the SCARDS newsletter should be sent to the editor: Al Nelson, KA4YEA, 611 Regency Circle, Anderson, S.C. 29621.

Packet operators are welcome to write SCARDS for information about the organization and for membership.

Stubby *by Fred Hurteau, WD4SKH*


SO WHAT DID YOU DO LAST WEEKEND AT THE HAMFEST, STUBBY?
NAPPED.
JUST NAPPED?
YEP.
RX MEM 146520
I SEE. I DEDUCE FROM THAT STATEMENT YOUR HOBBY MUST BE THE POPULAR PASTIME OF LETHARGY.
GEE, I DON'T KNOW. WHAT'S LETHARGY? IS THAT SOMETHING LIKE STAMP COLLECTING?
RX MEM 146520
IT'S LIKE PHILATELY IN ONE RESPECT, STUBBY. IT'S A HOBBY IN WHICH YOU COLLECT THINGS.
SO WHAT IS IT I'M SUPPOSED TO COLLECT?
DEPENDING UPON WHERE YOU ARE, LETHARGY IS THE HOBBY OF COLLECTING EITHER MOSS, COBWEBS, OR DUST.
WITH A FANCY NAME LIKE THAT IT ALMOST SOUNDS RESPECTABLE, DON'T IT?
RX MEM 146520

Amateur Equipment Prices May Go Up!

In the effort to stabilize the dollar and protect our balance of trade, the Government has made certain moves, causing the dollar to drop in value against most foreign currencies. For the American manufacturer, this is good. It makes him more competitive in the foreign market as well as at home against imported foreign goods.

In the case of Amateur Radio, most equipment is imported, mainly from Japan. The dollar at last report was taking a real beating with the Japanese Yen. This means one thing, Amateur equipment from Japan has got to go up.

One Distributor told the Journal he wouldn't be surprised to see retail prices rise as much as 30% by the first of the year if the dollar continues it's fall against the Yen.

Unfortunately there are few American manufacturers left in the Amateur market. Those that are, do not manufacture all types of equipment and accessories desired by the Amateur, so we cannot switch over and "buy American". We'll just have to bite the bullet and pay higher prices if we want that new piece of Japanese equipment.

Due to the volitile market, most dealers will be reserving the right to change prices without any obligation of advertised prices. So it might be smart to call your favorite dealer for prices before making that purchase in the coming months. His old advertised price may now be only a bittersweet memory.

ARRL to Get Repeater Indexes for November

As usual, the Repeater Journal Repeater Index which appears in the November Journal is sent to the ARRL for use in preparation of next years national Repeater Directory.

The index has been sent to them over the past few years,

WILLIAMS RADIO CLOSEOUTS & SPECIALS

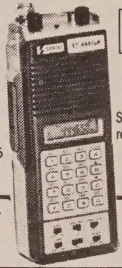
These units are new factory sealed boxes, with full warranty. Some are purchases at special quantity prices and others are inventory purchases from the distributor.

KDK (Warehouse Clearance)

FM-4033 (220 mhz)
FM-6033 (6-meters)
FM-7033 (440 mhz)

Your Choice
265.00

Scan, program, 10 memories, 220 has 25 watts, others 10-watts.



SANTEC (CLoseouts)

ST-222 (220 mhz)
ST-442 (440 mhz)

Your Choice
$249.00

Scan, program, memories, 3-1/2 watts, LCD readout, clock, much more.

Add $2.00 UPS ($3.90 C.O.D.)
N.C. Res. 4-1/2% Sales Tax

The Nation's Largest Mail Order Santec Dealer
WILLIAMS RADIO SALES

600 LAKEDALE ROAD, DEPT. S
COLFAX, N.C. 27235
(919) 993-5881 Noon to 10 P.M. EST

REPEATER-CLUB-NET SERVICE PAGE

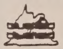
"SUPER 13"
Pt. Lookout Mt., Va.

You Are Welcome To Join Us Anytime!

N4VL Repeater 144.53 - 145.13

CLUBS, REPEATER OWNERS, NET MANAGERS PROMOTE YOUR ACTIVITIES ON THIS PAGE. – 4-Issues $14.00 A YEAR PREPAID
WRITE OUR SALES MANAGER
(1-Year–$14.00 Minimum Contract)

DIAL B2549
(BLUEFIELD REPEATER 145.49)



Bluefield Hamfest
AUGUST 24, 1986

444.650 Richmond
147.39 Petersburg
444.850 Petersburg

The K4ARO Repeaters
Covering Central And Southside VA.
*****
Richmond K4ARO-K4OJE-N4EHJ
Petersburg K4ARO

SERA NEWS NET
Wed. Nites at 8:30

North Carolina PCRN

Green Mt. 145.43	Raleigh-146.88
Winston-Salem-146.64	Greenville-145.35
Asheboro-147.255	Trenton-145.21

Northwest Relay System

Galax, Va.-145.13	Williamson WV/KY-145.33
Roanoke, Va.-146.745	Pikeville, EKY-146.85
Lynchburg, Va.-147.105	Prestonsburg, EKY-145.29
Mullins, WV-147.03	Ashland, EKY-146.94
Bluefield, WV-145.49	Fayettvl-Ft. Brg., NC-147.33

SERA News Net is sponsored by CVRA-SERA, Wayne K4MOB, Editor in cooperation with Piedmont Coastal Repeater Network, and N4VL, anchor repeater for NW relay.

Serving Eastern North Carolina
From the Capital
To The Coast
145.35 147.09
Repeaters
Greenville, N.C.

Serving The Entire
Outer Banks of
North Carolina
KE4PB/Repeater
146.235 – 146.835
Nags Head/Bodie Island

The Amateur News And Information NET
Mondays - - - - - - 9 PM
34-94
Richmond
K4OJE N4EXQ N4EPO
Club, ARRL, ARES, DX,FCC Information

Tri-Cities Hamfest

OCTOBER 20, 1986
Appalachian Fairgrounds
GRAY, TN.

147.135 444.000
Richmond, Va.
The N4HB Repeaters
Covering Central Virginia
******
N4HB - WA4VXR - WB4BVY - WA4SSG

RATS
The Richmond Amateur Telecommunications Society, Inc.
REPEATER 28-88
Proud sponsors of:
The Richmond Frostfest
N.A. Teleconference Net
Emergency Speed Dial
Police-Fire-Emergency

REPEATER JOURNAL ADVERTISING RATES

Effective 1 January 1985

The Repeater Journal is a 3 column magazine with overall page dimension of 8½ x 11 inches. Our page size enables a wide variety of ad sizes from full page down to one column inch size.

Column Widths are 1 col: 2-1/4-in., 1-1/2 col: 3-1/2-in., 2 col: 4-5/8-in., 3 col: 7-1/8-in. Ad widths will be based only with the specified column widths.

DEADLINES: New advertising copy or ad changes must be in the hands of our Advertising Manager no later than the 20th of the month on the 2nd month prior to publication. We cannot guarantee insertion of ads after deadline, although every effort will be made to accomodate.

ADVERTISING DEADLINES

FEB. Issue–Dec. 20	MAY Issue–Mar. 20
AUG. Issue–June 20	NOV Issue–Sep. 20

CVRA REPEATER JOURNAL advertising rates apply to exact size, camera ready copy. We can provide typesetting and reduce art for your ad at our cost. Composition and typesetting for full page ad approximately $25 to $28. Half page ad from $12 to $15. Reduction of artwork for ad with no type needed is $4.50. COLOR: We can provide one additional color on our standard color pages for $25.00.

The Repeater Journal layout size is very close to most National magazines. If you wish to use a page from one of the magazines, to promote your product, we can reshoot on the camera, insert your store name and customize for your particular application. Be sure to submit a clean, unwrinkled copy of the magazine page.

Contract advertising may be billed quarterly at the request of Advertiser. No volume discounts or contract discounts are available. It is the advertisers responsibility to cancel or request changes in advertising at the time he pays his bill, or before ad deadline, otherwise, advertising will be repeated until further notice.

BUSINESS CARDS, CLASSIFIED ADS AND HAMFEST advertising must be sent accompanied by full payment for insertion. Advertisers who have not paid for previously published advertising before upcoming issue deadline, cannot have any advertising inserted until account is paid in full.

The CVRA REPEATER JOURNAL cannot be responsible for errors in advertising, or held accountable for equipment or accessories that do not live up to the advertised claim. We are not responsible and cannot guarantee insertion of advertising received after deadline.

Advertising copy MUST be mailed to:
REPEATER JOURNAL ADV. MANAGER,
SHARON WARD, 5573 Vienna-Dozier Rd.,
Pfafftown, N.C. 27040.

REPEATER JOURNAL ADVERTISING SIZES AND RATES

Ins. Frt. or Ins. Bk. Cover	7-1/8" x 9-7/8"	$90.00
Full Page	7-1/8" x 9-7/8"	75.00
Full Page Bleed (any sides)	8-1/2" x 11"	90.00
2/3 Page (Vertical)	4-5/8" x 9-7/8"	55.00
1/2 Page (Horizontal)	7-1/8" x 4-3/4"	42.75
1/2 Page (Vertical)	3-1/2" x 9-7/8"	42.75
1/2 Page (Vertical 2-col)	4-5/8" x 7-1/8"	42.75
1/4 Page (Vertical Only)	3-1/2" x 4-3/4"	24.00
1/3 Page (Vertical Only)	2-1/4" x 9-7/8"	30.00
1/6 Page (Vertical)	2-1/4" x 4-3/4"	16.00
1/6 Page (Horizontal)	4-3/4" x 2-1/4"	16.00
1/12 Page (Vertical Only)	2-1/4" x 2-1/4"	9.00
Business Cards – Standard Size	(4 Issue Contract Only)	14.00/yr. In Advance

Classified Ads (30 Words Maximum per ad) In Advance 2.50
Color (1 additional color plus black) An Size add 25.00

Sizes listed above are width by length in that order. Ads which run lengths between sizes listed above will be billed according to column inch rate at midpoint. Prices above are for exact size, camera ready positive photoprint, or pasteup. Camera work, typesetting additional. No charge for layout.

Dealers and Manufacturers:
You Can Reach over 4,000 readers with your
Lines of Radios and Transceivers
by Advertising in the
Repeater Journal.
That's only about 2¢ Per Person.

YES - I WANT TO JOIN CVRA-SERA AND GET THE JOURNAL!

CVRA-SERA ASSOCIATE MEMBERSHIP APPLICATION

Name ______________________ Call ______________
Address ____________________ Date ______________
City _______________________ Zip _______________
Phone (____) ______________ Member ARRL ( ) Yes ( ) No
Enclosed is $ ________ for ________ Year(s) Mail Appl. & Fee To:
NEW ______ $5.00 Year (Max 2-years) RENEW ______ HOT-P ______ $8.50 Max 1-Year

CVRA-SERA Assoc. Membership
Post Office Box 5655
Greensboro, N.C. 27435

RJ 11-85

SAVE 20%
Over Newstand Price
BY JOINING CVRA-SERA
AS AN ASSOCIATE MEMBER
ONLY 5^{00} A YEAR
NEW HOT-P MEMBERSHIP
NOW AVAILABLE FOR ONLY
$8.50 FOR ONE YEAR!
Get your Journal Mailed
Friday via FIRST CLASS MAIL.
(Normal 3rd Class Bulk On Monday)

QWCA Nat'l Convention Held In September

— by Henry Elwell, N4UH

The Piedmont Chapter #126 hosted the Quarter Century Wireless Association National Convention the last weekend of September at the Hyatt House, Winston-Salem, N.C. There were a total of 116 members, friends, and family registered with 91 attending the Saturday morning breakfast, and 110 at the evening Banquet.

Friday evening is when the festivities for the membership really began with a social hour/sing-fest under the supervision of Leo Meyerson, W0GFQ. The Saturday breakfast was hosted by the South Carolina Palmetto Chapter with Cecil Sills, W4HDO, MC'ing the delightful affair. Lew Fitch, W4VRV, gave a sensationally good talk on the early electrical geniuses from Galvani through Janski's study of solar moise in the mid 1930's.

There was a lively and informative forum with the QCWA National officers, an ARRL forum with John Kanode, N4MM, and a antique wireless exhibit and talk by Lew Elias, W4DBT, during the Saturday morning and afternoon sessions.

The evening Banquet was preceeded by a noisy and friendly happy hour with Val Valentine, K4JO, MC'ing the Banquet. Outgoing President Stew Meyers, W2GHK, spoke briefly, our new president Leland Smith, W5KL, presented the directors with special medallions, Jean Wolfe, LX1JW, donated a special post-war Luxembourg stamp set to be auctioned off with proceeds going to the Scholarship Fund; over $400 was collected. The speaker of the evening was Bill Howard, W4BLM, President and Chief Executive officer of Piedmont Airlines. His talk "Government Airline DeRegulations, Good or Bad?" was very interesting and well received. The climax of the evening was the distribution of prizes. All the women present received a prize from the drawings, and many men did also. The main prizes of a KDK and ICOM 2 meter transceiver were won by Colman Rowland, W4TWW, and David Naylor, K6RXX.

Although the National QCWA convention at Winston-Salem was one of the best to date, the Piedmont Chapter will rest for many years before attempting another. However, November 1986 in Tampa, Florida may well see many of our members there for the next Convention.

Rambling With the Editor

Continued from Page 1

how many shows worked VE exams in with the hamfest. This could account for increased attendance. By the way, the complete 1986 hamfest Calendar is published in this issue.

• • • •

Full Membership renewal notices will be mailed out in a couple of weeks. We will be sending out a record 700 plus applications for renewal this year. We just keep on growing in full membership. Incidentally our newest District, Georgia, must have set some kind of record. They had over 50 repeaters ALREADY full members when they were voted into our organization. Now if they can double that number in 1986.

• • • •

Speaking of membership, wish I could say Associate Membership was growing like the Full, but I can't. We have been stagnant over the past two years. No loss, but no gains, in total numbers. A lot is apathy, someone planning to renew, but just didn't get around to it. If any of you readers have some ideas of how we could get more Associate Membership in our ranks, please let us know. With as many hams as we have in the 7 states, we certainly ought to have more than just under 4,000 Associate Members. The figure should be more like 10,000.

• • • •

I did a hasty repeater count of our 7 districts and find that we now have over 900 repeaters within our jurisdiction. North Carolina leads with 212, followed by Tennessee with 194, then Virginia with 164. Georgia has 152, followed by South Carolina 86, West Virginia 81 and Eastern Kentucky with 24. I plan to give growth statistics per band, per state in the February issue as we have done the past couple of years.

• • • •

This is the last year I intend to take a weeks vacation in conjunction with the Virginia Beach Hamfest. In 1984, we stayed down (Gerry and I), and Monday walked out on the beach. The temperature was 45-degrees and the wind was whipping the sand so bad, we left. Last month, Hurricane Gloria chased us home, not before we drive through driving rain all the way to South Hill, Virginia, where we stopped for the night.

• • • •

Two Amateur businesses have moved recently. G.I.S.M.O. under new ownership (Rudy N9CC) has moved from Rock Hill, S.C. to Charlotte, N.C., and Press Jones "the wire man" of Certified Communications has moved from Fremont, Mich., to Landrum, S.C. In other business news: Frank Wyatt, N4AZM of F & M Electronics of Greensboro (NC) is now an authorized ICOM dealer.

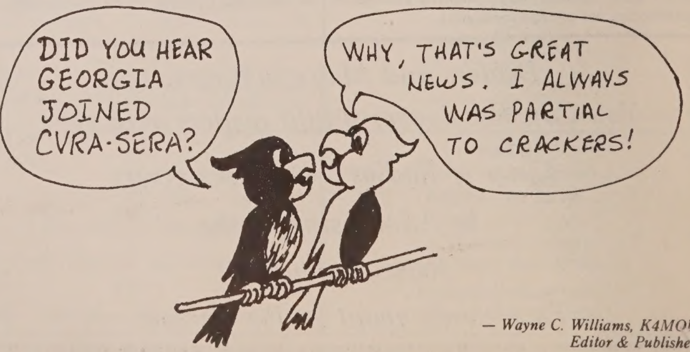
• • • •

Just for the record, in case anyone was wondering or even dared to think such a thing. The editor of this magazine and the fella who runs the business are TWO individuals as far as you are concerned. He will NEVER let the organization benefit the business, generally its the other way around, his business pays all outgoing postage, UPS, phone calls, travel and no expense reports are ever turned in to the CVRA-SERA Treasurer. ALL ads are billed and paid just like everyone else does. Now I've said it, and will never mention it again.

• • • •

Well, I guess we've covered about all the bases. This is kind of different for an editorial. Any comments, pro or con?

P.S. I received this cartoon from one of our readers.

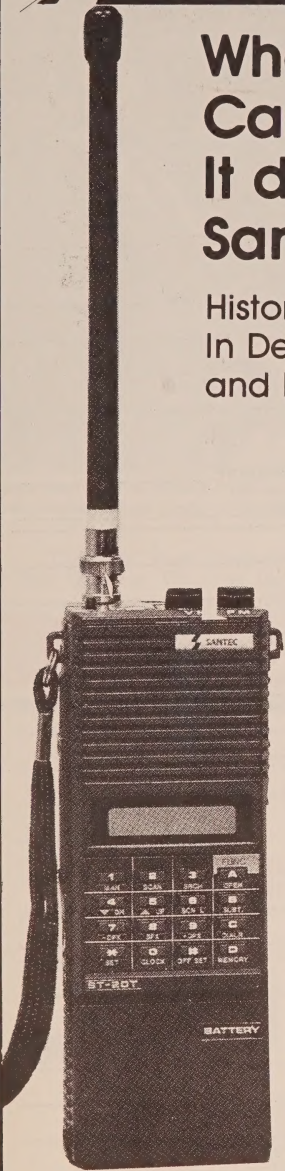

DID YOU HEAR GEORGIA JOINED CVRA-SERA?
WHY, THAT'S GREAT NEWS. I ALWAYS WAS PARTIAL TO CRACKERS!

— Wayne C. Williams, K4MOB
Editor & Publisher

NEW! **SANTEC** **ST-20T** **WILLIAMS**

When the New Santec ST-20T Came out, We Weren't Surprised It did ALL We expected a New Santec Should Do-And More!

Historically the Santec Has Always Been a Leader In Design, Performance, Ease of Operation and Features - Once Again the ST-20T Does Just That!



The ST-20T Has ALL the Features of its Predecessor the ST-142 Plus these additional Outstanding, Friendly User Additions:

• Smaller for today's User • Slide-on Battery • Two 7-digit Autodialer Memory • Sub-Audible Tone per channel (memory or band) • Lithium Battery Memory Backup • Microprocesser Encode/Decode Sub-Audible option • Full LCD Readout • S-Meter • 12VDC Direct Operation • Simplified Keyboard Entry of Information • 142-150.995 Operation (and more) For MARS and CAP • Multiple modes of Scanning, plus Scanlock • CTCSS Tone in any Memory • 90 day Full Warranty, plus Encomm's two year Extended Service Period at no Extra Cost • 3-1/2 - 5W Output.

(See ENCOMM Ads in National Magazines for Additional Details)

NEW!!! From Santec

The ST-20T

Limited Supplies

$299.00

Sorry NO CARDS.

Don't you dare settle for less, get your hands on a SANTEC

As Always, Williams will Charge Your Battery, check your radio out 100%, offer Exclusive Williams Radio Customer Discounts on Accessories. We also SHIP UPS BROWN FREE as we have always one. We also supply the Williams Exclusive "By-the Numbers" way of tuning your Santec. The Santec ST-20T comes complete with: Rubber Duck, Hand Carry Strap, Slide-on type Nicad Battery Pack, Earphone and Belt Clip. A complete line of Accessories is available for your new ST-20T.

All sales subject to existing availability & Stock. PHONE C.O.D.'s - CASH OR M.O. UPS. NO CREDIT CARDS. We Pay UPS Brown Shipping. You Pay $1.90 COD Costs. N.C. Residents must be charged 4½% Sales Tax.

The Nation's Premier KDK & Santec Dealer!

WILLIAMS RADIO SALES
600 LAKEDALE ROAD, DEPT. S
COLFAX, N.C. 27235

CALL GERRY OR WAYNE!
For the Best Deal Ever!
(919) 993-5881
Noon to 10 P.M. EST

When you buy your
SANTEC
from Williams —
You get much more!

DO NOT WRITE ABOVE THIS LINE

CVRA-SouthEastern Repeater Association, Inc.

FULL REPEATER MEMBERSHIP APPLICATION FOR YEAR ________________

City/Mtn (Max 14 Char)	Callsign	Input Freq.	Output Freq.	
				No. 1
				No. 2
				No. 3
				No. 4

Name two Full Member Representatives to CVRA-SERA (Each receives Journal)

Name ____________________ Call __________	Name ____________________ Call __________
Address ______________________________	Address ______________________________
City ______________ State ______ Zip ______	City ______________ State ______ Zip ______
Phone: ( ) ____________________	Phone: ( ) ____________________
ARRL Member ( ) Yes ( ) No	ARRL Member ( ) Yes ( ) No

Membership: New______ Renewal______ Fee Enclosed ( ) Yes ( ) No Amount:______________

Repeater Sponsor____Date______________

Date Rptr. Placed in Service: Experimentally ________________ Reg. Svc. ______________

Was your freq coord? ( ) Yes ( ) No (If No, please explain) ________________________

ACTUAL REPEATER LOCATION: (Mtn./City)____

Repeater Coverage: (Cities & Counties)

BASE: ____

MOBILE: ____

Transmitter ________________Receiver ________________Duplexer ______________

Antenna __________________Duplexed: ( ) Yes ( ) No Split Site: ( ) Yes ( ) No

Split Site Linkage type ____________________(If Radio, Frequency used) ______________

Linked with any other repeaters: ( ) Yes ( ) No Linking Freq. ______________________

Name (if any) other repeaters linked____

ANTENNA: Height above MSL ______________Height AAT ______________Power (ERP) ______

REPEATER: Open____Closed____AUTOPATCH: Open (A)______Private (PA)______Emerg. (EA)______

If closed, Access is: Tone Burst__________Hz, Touchtone__________Buttons

Repeater I.D. is: CW______ Voice______ Rptr. control via: ______________________________

Other information____

____

Repeater Membership Fees:
(All Memberships expire Dec. 31)
$10.00 annually payable Jan.1
$7.50 during second quarter
$5.00 during third quarter
$2.50 during fourth quarter

Mail Application & Check To:

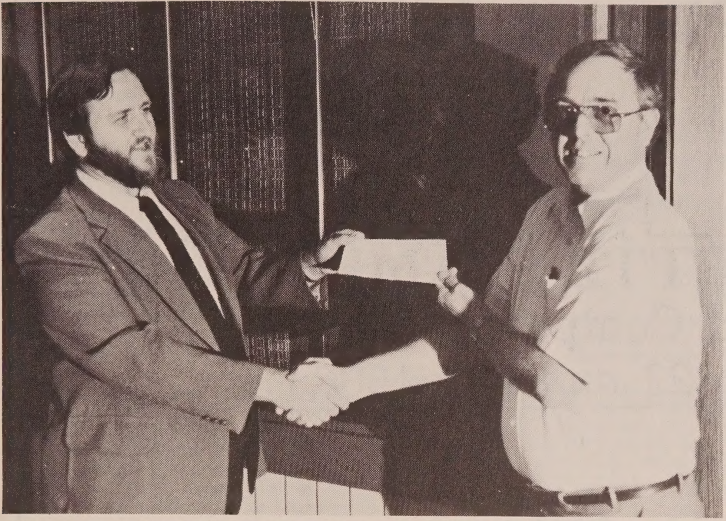
CVRA REPEATER MEMBERSHIP
POST OFFICE BOX 5655
GREENSBORO, N.C. 27435

Thank you!

Please fill out this application completely and accurately. Other repeater frequency coordination may be based on information supplied. We must have accurate and complete information on all Full Member repeaters.

Note: Use this Application only if you were NOT a Full Member in 1985.

Volunteer Work Pays Dividends



Bill Fisher (left), WABRHT, President ERARC receives $1,000.00 from General Telephone Technician Donald (Andy) Anderson (right side), WD800R at the club's July meeting.

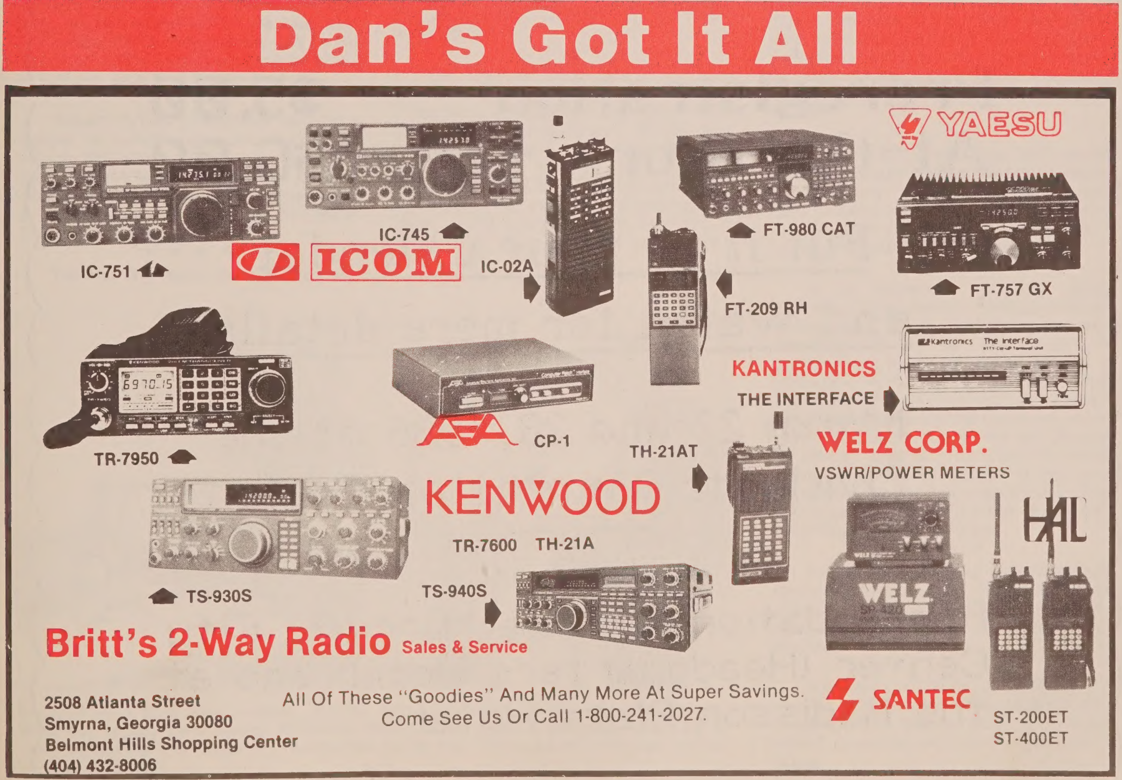
The East River Amateur Radio Club, Bluefield, WV, was the recent recipient of a $1,000 contribution from GTE. The gift was a result of Donald L. Anderson's, WD800R, volunteer work in the club.

Anderson is a COE technician for GTE in Bluefield. As a member of the ERARC, he logged more than 175 volunteer hours during the first six months of 1985 and qualified for the GTE "Volunteer Initiatives Program" (VIP).

GTE recently implemented the VIP program to encourage employee involvement in community organizations and reward volunteer participation by linking grants of up to $1,000 to voluntary efforts. The VIP program gives GTE a means of supporting selected non-profit organizations where employees are active volunteers.

The amount of grant is based on the total hours of involvement during a 12 month period. The employee's involvement must be of a current and substantial, ongoing nature.

"Individual volunteerism is one of the best ways to make the community a better place to live. At GTE we encourage community involvement as evidenced by the VIP program. We are proud of Don and all of our employees who donate their time and talents as active volunteers," said Dennis Williams, GTE WV/VA general manager.



Dan's Got It All

YAESU
IC-745
IC-751
ICOM
IC-02A
FT-980 CAT
FT-757 GX
FT-209 RH
KANTRONICS
THE INTERFACE
TR-7950
CP-1
TH-21AT
WELZ CORP.
VSWR/POWER METERS
KENWOOD
TR-7600 TH-21A
TS-930S
TS-940S
HAL

Britt's 2-Way Radio Sales & Service

2508 Atlanta Street
Smyrna, Georgia 30080
Belmont Hills Shopping Center
(404) 432-8006

All Of These "Goodies" And Many More At Super Savings.
Come See Us Or Call 1-800-241-2027.

SANTEC
ST-200ET
ST-400ET

BY POPULAR DEMAND

THE

1986
CHARLOTTE HAMFEST
and Computerfair
March 22 and 23, 1986

AT
1983 PRICES !

Preregistration - - $5.00
At-the-door - - - $6.00

Put it on your Calendar
and watch for more details.

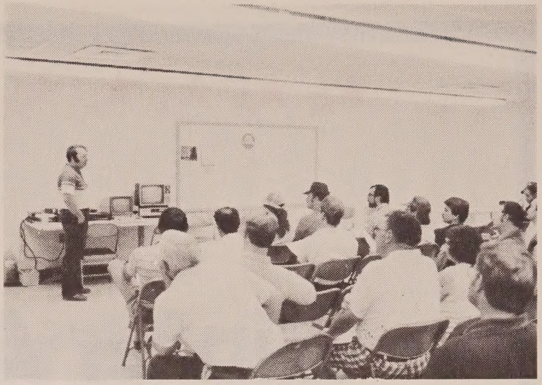
March 22 and 23, 1986 at the
Charlotte Convention Center

Accomodations at the Marriott City Center (Headquarters Hotel) and at the Radisson Plaza Hotel.

WEST VIRGINIA NOTES

By: Ted Wolfe, WD4KHL

FIRST ANNUAL Hamfest and Computer show was held at the South Charleston Community Center, Charleston, WV last August. (Photo by WD4KHL)



PACKET demonstrations at the Charleston hamfest & computer show drew a good turnout of hams. Johnny Jones, WB8CQV demonstrated Packet and held a seminar. (PhotoWD4KHL)

The Putnam Amateur Radio Association held a work party on Saturday, Sept. 21. It was one of several held to dig the foundation, set the tower, and in general prepare the site for the coordinated 145.41 repeater proposed for Liberty, WV. PARA almost gave up the frequency pair but a group of volunteers decided to give the project a whirl and got it off the ground. The elevated site being used was formerly used for a fire tower.

• • • •

PARA also reminded us that with the change from EDT to EST on Sun., Oct. 27, the regular Sunday night PARA net will revert to its 7:00 p.m. local time slot. The Wednesday night swap net also returns to 7:00 p.m. local time. The weekly PARA code practice QST on the 147.87/27 K8SLI Scott Depot repeater will be at 9:30 p.m. local time Sunday evenings.

• • • •

Putnam County government curtailed a number of activities because of a budget crunch. With shortened hours for the Public Library, PARA had to find another place to meet. On a temporary basis they've been using a meeting room at the South Charleston Community Center.

• • • •

The first Charleston Area Hamfest and Computer Show is history. It was held Sun., Aug. 11 at the South Charleston Community Center, sponsored by the Kanawha ARC, the Tri-County ARC, and the Kanawha Valley Personal Computer Club. There's already talk of finding a larger facility for next year, one with air conditioning.

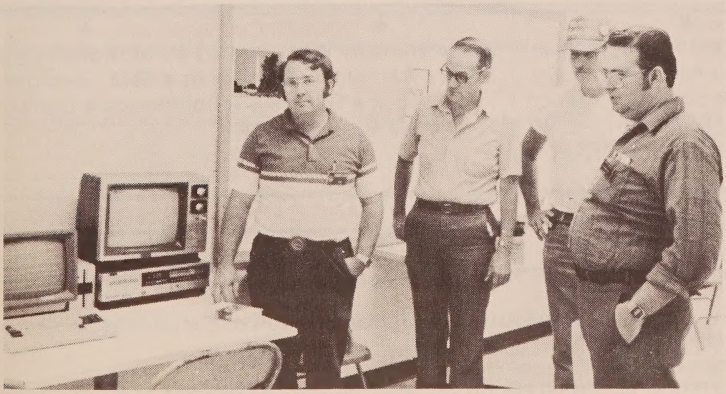
• • • •

R.L. Monroe, W8WHQ, has completed the move of his 144.83/145.43 repeater from a residence on a hill overlooking Charleston to Hunt Knob on Campbell's Creek, about 5-miles away. The move greatly improved coverage in Charleston. R.L. purposely intends to keep the output low to afford protection to the Morgantown repeater on the same frequency pair.

• • • •

Call changes: Mary Haynes, formerly WB8MAV, has resumed use of her maiden name, Mary McHugh, and also sports a new call - KE8AV; Rick Bainbridge, Garrison, WV, now has N8GXE to replace his old KA8RPN call; and James Williams, Jr., Dry Creek, changed KA8UVW for N8GXF. And last issue I must have been thinking of something else when I wrote about Jim Bean, Belle, WV. It should have been JOE Bean with the new KD8YP call.

• • • •



PACKETEERS from West Virginia, Johnny Jones, WB8CQV, Charleston; Eben Staggs, WB8FQJ, Logan; Buck Earley, WA8USO, Ravenswood; and Frank Martin, WA8VRS of Culloden get together to discuss their packet operations in Southern West Virginia. (Photo by Ted, WD4KHL)

The St. Albans Emergency Communications Group (featured in a couple of photos last issue) have finally gotten the RTTY bulletin board mail box feature working on the RTTY dedicated K8BCH 147.975/375 repeater at St. Albans.

• • • •

Larry, WA4RHY, Huntington, reports hearing the weekly CVRA News Net broadcast QST on the Ashland, Ky, 147.84/24 repeater.

• • • •

What I've referred to as the "Gateway" linked system is now operating in West Virginia affording the opportunity for hams in the southern end of the state to now talk via 2-meters with those in the northern part of the state. Both repeaters are sponsored by hams in Weston. The Weston, WD8OM, machine is on 144.79/145.39. It is permanently linked with the Craigsville KD8OG 144.67/145.27 repeater.

• • • •

The Kanawha-Fayette-Clay ARA held its September meeting at the Malden Volunteer Fire Department building. About twice a year the club holds its meeting nearer Charleston than its regular site in Pratt in order to make it easier for capital city hams to attend.

• • • •

In late September the PARA Board approved club sponsorship of a digipeater and named Frank Martin, WA8VRS, as project coordinator. At deadline I was not able to contact Frank to get full details although I understand the nucleus of the southern West Virginia packet group (pictured elsewhere) has now established routes into Cleveland, upper East Tennessee, North Carolina and Virginia. For the Feb. **Journal** I'll try to get a list of the digipeater calls and locations of the ones used by hams in our area. The projected site of the club digipeater is at the Channel 13 (WOWK) transmitter on Barker's Ridge.

• • • •

To add to the "Gateway" linked system at Craigsville/Weston story, I've asked Dave, KD8OG, to write up the story of the system, with pictures if possible, for a future story in the **Journal.**

• • • •

Fred Jones, WA4SWF, of Louisa, Ky, the Director of the new Eastern Kentucky (39-counties) SERA District, wrote to introduce himself. Since then we've exchanged several letters.

★ ★ ★ ★ ★ ★ ★ ANNOUNCING THE NINTH ANNUAL ★ ★ ★ ★ ★ ★ ★

RICHMOND FROSTFEST

Winter Amateur Radio and Computer Show

SUNDAY, JANUARY 12, 1986

Virginia State Fairgrounds, Laburnum Avenue, Richmond, Virginia

Hours: 8:30 A.M.-3:30 P.M.

ARRL APPROVED HAMFEST

GENERAL ADMISSION (Children under 12 free with adult)	$4.00
FLEA MARKET SPACES (without tables)	$4.00
FLEA MARKET SPACES (with 8′ table)	$8.00

FLEA MARKET EXHIBITORS MUST PURCHASE GENERAL ADMISSION TICKETS

★ *CONCESSIONS* ★ ★ *HOURLY PRIZES* ★ ★ *LOUNGE AREA* ★

★ VOLUNTEER EXAMS ★

Volunteer examination by Richmond RARC on Saturday, January 11. Send completed Form 610, photocopy of present license & $4.00 fee payable to ARRL/VEC to Mac Crush, 9302 Ledbury Rd. Richmond, VA 23229. Limited number of walk-ins accepted. Cut-off date: Dec. 11, 1985.

★ COMMERCIAL EXHIBITORS ★

EGE ● Williams Radio Sales ● Delaware Amateur Supply ● Amateur Accessories ● F&M Electronics ● Ham Shack ● Sultronics ● Hamtronics ● Electronics Parts ● The Radio Works ●

★ *ACRES OF FREE PAVED PARKING* ★ *TALK-IN ON 146.88-146.94* ★ *HANDICAPPED PARKING ON REQUEST* ★

- ★ Additional building with 21,000 sq. ft. of space this year. No space limitations.
- ★ Commercial exhibitors' deadline for reserved space is December 31. One table per space. Unlimited supply of tables for rent.
- ★ Pre-registration tickets $4.00 each or 3 for $10.00, 6 for $20.00, etc. Monies for tickets and reserved spaces must be received no later than December 31, 1985.
- ★ Paid up flea market reservations accepted until December 31, 1985.
- ★ Building available for set-up from 2:00 P.M. until 11:00 P.M. on Saturday. Will re-open at 6:00 A.M. Sunday for set-up. Vehicles must vacate building by 8:15 A.M. Sunday. Armed security at all times.
- ★ Entire show inside—no outside facilities available.

★ **PRE-REGISTRATION PRIZE** ★

★ **YAESU FT-209R 5.0 WATT HANDIE TALKIE** ★

★ **DRAWING AT 10:00 A.M.** ★

★ **MAIN PRIZES** ★

1st—ICOM HF Transceiver IC-735 with IC-55 Matching AC Power Supply
2nd—ICOM Dual Bander IC-3200A 2 Meter & 70 CM Transceiver
3rd—Ameritron ATR-15 Antenna Tuner 1.8 to 30 MHz Range
4th—Alliance Heavy Duty Rotator Model HD73 with Dual Speed Control
Main Prize Drawing Promptly at 3:15 P.M. ★ Special Flea Market Prizes
You Do Not Have To Be Present To Win These Prizes.

PRE-REGISTRATION FORM

For information, table reservations, motel accommodations & pre-registration tickets, write or call:

W. A. "Bill" Scruggs N4DDM
Richmond Frostfest
8430 Abbey Road
Richmond, VA 23235
Phone: (804) 272-8206
Call after 6 p.m. evenings

Name ______________________ Call __________

Street ______________________ City ________ State _____

(Frostfest Tickets $4.00 or 3 for $10.00)

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Five - The Amateur Is Balanced

— by Bruce Eggers, WA9NEW

It happened on a Saturday morning, just a couple of weeks ago. The scanning HT stopped on a local machine as ham #1 called ham #2. When ham #2 had not replied within three seconds, ham #3 called #1 with the comment, "I haven't heard him on today. If he's not in the shack he must have had to go in to work today." Ham #1 agrees and both leave the air.

I know ham #2. I don't think the opinion rendered by ham #3 is at all accurate or fair. Ham #2 has a lovely family; he's active in his church, involved with his kids' activities, participates in other community organizations, has done well in his career. He exemplifies the fifth article of the Amateur's Code: The Amateur is balanced - Radio is his hobby. He never allows it to interfere with any of the duties he owes to his home, his job, or his community.

I've known Amateurs who have allowed their hobby to become an overwhelming, overpowering force in their lives. I've known Amateurs who have lost the friendship of their neighbors, the respect of their professional colleagues, the affection of their families. Indeed, in some isolated cases, I've known those who have lost much, much more.

Have you ever known someone like this? Have you ever played a role; however small, however unknowing; in putting another Amateur in such jeopardy? It's an easy trap to fall into. Many Amateurs have never learned how to say 'NO'. And many others know this.

"We'll need a new net control for Tuesday nights."

"Mary'll do it if you ask her."

Mary probably will, but her husband just made a commitment for them to join a church sponsored Tuesday night mixed bowling team, something Mary had said she'd try if she could find the time.

"It's already Friday and if we're going to do anything in the contest this weekend, somebody's going to have to go up the tower and replace that connector."

"John'll do it if you ask him."

John probably will, but his little girl's first ballet recital is this Friday evening.

Could either of the suggesting hams have known about these prior commitments? Probably not. If Mary or John agree to perform the requested tasks, who's responsible for the resulting interpersonal stress? Why, Mary and John, of certainly. You have to learn how to balance your hobby with the rest of your life. You have to know how to say 'NO'.

But there are those times when each of us have contributed to such problems. There are those times when each of us should have said 'NO'. There are those times when each of us should not have asked.

Amateur Radio has been an integral part of my life, and my family's life, for over twenty years. I'd like to think I've kept it in 'balance'. As I've fulfilled the responsibilities of offices held, I'd like to think I've never contributed to another's inability to maintain 'balance'. But I've probably failed many times.

I've wanted to write a commentary on the fifth article of the Amateur's Code for many years. It takes quite some few hours to get a column like this drafted; recheck the wording, the flow. Make changes, type a draft, proofread. More changes, type a final. Write letters to editors. Am I maintaining 'balance'? What else should I be doing? Well, I'm on vacation, so that takes care of job and career. But there's the Corvair I bought yesterday. I was supposed to take it over for a check on the timing and dwell this afternoon. And I've got to put in several more hours on the new workbench before I can even start to think about moving the shack into the larger spare bedroom. And I've got to get the new shack done before I can tear out the smaller bedroom, thereby enlarging the living room as the XYL has been wanting me to do.

Am I 'balanced'? I hope so. Are YOU?

(My thanks to ham #3. If he hadn't rendered such an unknowing and unfair opinion on the air, this column would still be residing in dusty parts of the gray matter. But maybe I'd have gotten the Corvair running or the workbench done. I've got to learn how to say 'NO' sometimes, even if only to myself!)

CVRA - SouthEastern Repeater Association, Inc.

FINANCIAL REPORT AS OF SEPTEMBER 30, 1983, 1984 and 1985

	1983	1984	1985
REVENUE			
Advertising	$ 4,951.75	$ 5,127.50	$ 5,222.35
Associate membership dues	7,890.00	7,408.25	8,791.63
Full membership dues	1,941.00	1,450.00	2,516.50
Decals			224.50
Postage - includes HOT-P			87.00
Interest			24.29
Hats			101.50
Other	16.25	49.75	23.00
TOTAL REVENUE	$14,799.00	$14,035.50	$16,990.77
EXPENSES			
Journal mailing	$ 1,817.98	$ 1,856.65	$ 1,588.25
Journal printing	10,833.61	11,028.31	11,436.56
Miscellaneous expenses	- 0 -	2.35	578.78
Director's meetings	600.51	534.19	768.68
Office expenses	106.49	21.25	234.30
Amortization of copy machine	448.00	448.00	448.00
Postage other than journal	204.74	101.86	419.00
Printing other than journal	995.69	242.17	987.99
Telephone	351.46	241.24	275.47
TOTAL EXPENSES	$15,358.48	$14,476.02	$16,737.03
REVENUE OVER (UNDER) EXPENSES	($ 559.48)	($ 440.52)	$ 253.74
Balances, beginning of year			
Expenses advanced	$ 700.00	$ 800.00	$ 900.00
Cash in bank	1,135.60	2,507.39	1,413.04
Invested in copy machine	2,240.00	1,792.00	1,344.00
	$ 4,075.60	$ 5,099.39	$ 3,657.04
EQUITY TO ACCOUNT FOR	$ 3,516.12	$ 4,658.87	$ 3,910.78
Less: Expenses advanced	$ 800.00	$ 900.00	$ 900.00
Invested in copy machine	1,792.00	1,344.00	896.00
	$ 2,592.00	$ 2,244.00	$ 1,796.00
CASH IN BANK	$ 924.12	$ 2,414.87	$ 2,114.78

Ray Adams

Ray Adams N4BAQ Treasurer

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Coming Events

1985 HAMFEST DATES

NOVEMBER 1985

2-3	Ham Radio & Computer Expo '85, LAWRENCEVILLE, GA
3	Hamfest, CONCORD, NC
23-24	(Date Change) Hamfest, GREENSBORO, NC
23-24	Southnet II Packet Radio Conf., ATLANTA, GA

1986 HAMFEST/CONVENTION CALENDAR

Please note. Dates marked with an asterisk are NOT confirmed dates and are based on the same week as last year's show. Clubs and groups sponsoring hamfests are urged to contact the Journal Editor for confirmation of their show dates. Deadline for entry in February Repeater Journal is January 1, 1986. Deadline for Hamfest Advertising space reservations is December 20, 1985.

JANUARY 1986

11-12	7th Annual Hamfest, SARASOTA, FL
12	9th Annual Frostfest, RICHMOND, VA

FEBRUARY 1986

1-2*	Hamfest, MIAMI, FL
16	Winter Hamfest, ELKIN, NC
23*	Hamfest, FAYETTEVILLE, WV
23*	Winterfest, VIENNA, VA

MARCH 1986

7-9*	Hamcation, ORLANDO, FL
8*	Hamfest, DALTON, GA
8-9*	Hamfest, LAFAYETTE, LA
22-23	Hamfest & Computerfaire, CHARLOTTE, NC
22-23	Hamfest, COLUMBUS, GA
30*	Hamfest, TIMONIUM, MD
29-30*	Hamfest, COLUMBUS, GA

APRIL 1986

6*	Hamfest, KENNEHOOCHIE, GA
13	NC State ARRL Conv/Hamfest, RALEIGH, NC
13*	Hamfest, KENNESAW, GA
25-27*	Hamvention, DAYTON, OH

MAY 1986

3-4	Hamfest, GREENVILLE, SC
3-4*	Hamfest, ALBANY, GA
17-18*	Hamfest, BIRMINGHAM, AL
17-18*	Hamfest, LAKE HARTWELL, GA
24	Durhamfest, DURHAM, NC
25*	Hamfest, ROANOKE, VA
24-25	Hamfest, KNOXVILLE, TN

JUNE 1986

1*	Hamfest, HUMBOLT, TN
1*	Hamfest, MANASSAS, VA
7-8*	John Ross Hamfest, FT. OGLETHROPE, GA
8*	Hamfest, MUNCIE, IN

JULY 1986

5-6*	Hamfestival, ATLANTA, GA
5-6*	WV Radio Council, Fest, JACKSONS MIL, WV
12-13*	Hamfest, CHARLESTON, SC
19*	Swapfest, CARY, NC
20*	TSRAC Hamfest, WHEELING, WV
26-27*	WCARS Hamfest, ASHEVILLE, NC
27*	BRATS Hamfest, W. FRIENDSHIP, MD

AUGUST 1986

2-3*	Hamfest, JACKSONVILLE, FL
3*	Winchester Hamfest, BERRYVILLE, VA
9*	Jax Cty. Hamfest, COTTAGEVILLE, WV
10*	Hamfest, S. CHARLESTON, WV
10*	Hamfest, LEXINGTON, KY
16-17*	Hamfest, HUNTSVILLE, AL
24	ERARC Hamfest, BLUEFIELD, WV
30-31*	Hamfest, SHELBY, NC

SEPTEMBER 1986

6-7*	Hamfest, MELBOURNE, FL
13-14*	Hamfest, MOBILE, AL

OCTOBER 1986

4-5	Roanoke Div. ARRL Conv/Hamfest, VIRGINIA BEACH, VA
4-5*	Hamfest, LOUISVILLE, KY
5*	Hamfest, ROCK HILL, SC
11-12*	Central Ga. Hamfest, WARNER ROBBINS, GA
12*	2nd Annual Techfest, RICHMOND, VA
12*	Hamfest, MAYSVILLE, NC
18*	Tri Cities Hamfest, GRAY, TN
19*	Hamfest, DUBLIN, VA
25-26*	Hamfest, CHATTANOOGA, TN

NOVEMBER 1986

1-2*	Ham Radio & Computer Expo '86, LAWRENCEVILLE, GA
2*	Hamfest, CONCORD, NC
28-29*	Hamfest, GREENSBORO, NC

DEADLINE FOR HAMFEST ADVERTISING for February 1986 issue is December 20th for space reservations. January 1 for copy. All shows scheduled from mid-February through May should advertise in the February issue. Contact Sharon Ward, Sales Manager. (See page 1 for address/phone number).

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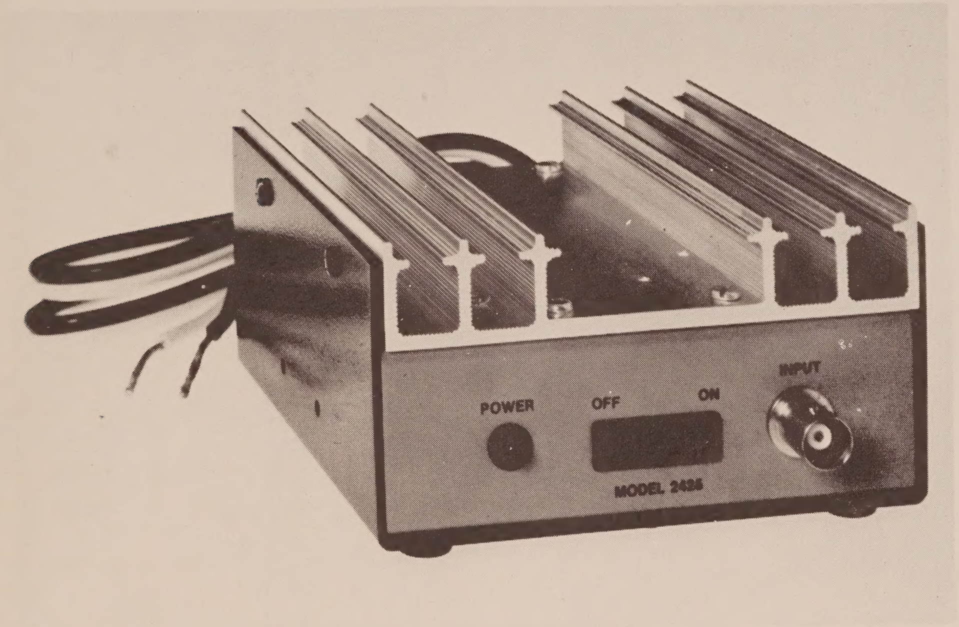

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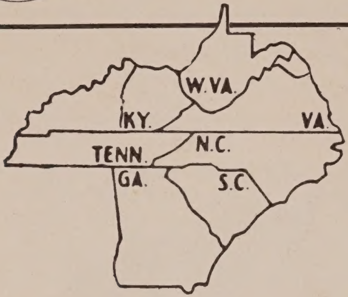

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